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MICHELLS SEEDS

MICHELL'S
EVERBLOOMING
BUTTERFLY BUSH
25 ¢ EACH (BY MAIL 30 ¢)
\$ 2.50 PER DOZ.
\$ 15.99 PER 100
BY EXPRESS

SPECIAL OFFER
IBUTTERFLY BUSH
IPKT. PINK SUPERB ASTER
(POSTPAID 504)

HENRY & MICHELL CO. 518 MARKET ST.

EMPLOYMENT

Frequently we have on our register the names of competent gardeners, superintendents, coachmen, farmers and poultrymen who desire positions. We are always pleased to put them in communication with parties desiring their services, and we are also glad always to be on the lookout for such men for employers desiring their services. We are careful to recommend only reliable men, and there is absolutely no charge attached to this service for employer or the one employed.

TABLE OF PARCEL POST WEIGHTS AND CHARGES

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Zone E			9c	17	25	33	41 -	49	57	65	73	S1	89	97	1.05	1.13	1.21	1.29	1.37	1.45	1.53	1.61
Zone 7	1800 Miles		11c	21	31	41	51	61	71	81	91	1.01	1.11	1.21	1.31	1.41	1.51	1.61	1.71	1.81	1.91	2.01
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The Michell Service PLEASE READ!

BUSINESS TERMS

We Especially Invite Charge Accounts. A charge account is more convenient than to remit for each order at the time it is sent us; you pay no more for your goods by reason of this accommodation. As to our responsibility, we refer you to Dun's or Bradstreet's Mercantile Agency.

When sending your first charge order, refer, preferably, to some one with whom you have a charge account.

REGARDS C. O. D. SHIPMENTS

Goods can be sent C. O. D. (with the exception of perishable items, which include plants and cold-storage bulbs, these cannot be sent C. O. D.) No C. O. D. shipments for any kind of goods will be made by express or freight out of town unless a partial remittance accompanies the order. No C. O. D. orders delivered where the amount is less than 25c., except in the following zone in Philadelphia: Market Street Ferry, East to Sixteenth Street, West; Pine Street, South, to Vine Street, North. C. O. D. orders outside of this zone in our delivery limits must amount to \$1.00 or more.

SHIPPING INSTRUCTIONS

Always state by what method you want goods forwarded, otherwise we will ship according to our best judgment.

PLEASE ORDER EARLY

We shall greatly appreciate it if our customers will adopt our suggestion to send us their orders for seeds, plants and bulbs during January and February. Shipment need not be made until you need the goods, when they will be ready.

DELIVERY SERVICE

To points where baggage-master or package service is in operation, we can ship all orders, which can be packed in one parcel or piece, not exceeding 50 pounds in weight, free of transportation charges at prices quoted in this catalog. Fertilizers in more than 25-lb. lots, or bulky packages, are not accepted by baggage-master service. Our wagon delivery also covers many sections of Philadelphia.

SHIPPING FACILITIES IN PHILADELPHIA

Express-Well-Fargo, Adams, American. Freight-B. & O., Reading, Lehigh Valley and Penna. R. R. Boat-Clyde Line, Merchants' and Miners' S. S. Company.

PACKING CHARGES

No charge is made for boxes, packing or bags, except for two-bushel seamless sacks, 25c. each, which are returnable for credit at the price charged.

HENRY F. MICHELL CO.

HENRY F. MICHELL, Pres. FRED'K J. MICHELL, Vice-Pres.

Salesrooms, Offices 518 MARKET STREET, PHILADELPHIA

Warehouses 509-511-513 Ludlow Street, Philadelphia, Pa. 21-23 S. Bank Street

Nurseries and Greenhouses, Andalusia, Pa.

PARCEL POST INFORMATION

Please include parcel post charges if goods are desired shipped by this method where remittance accompanies the order.

NOTE.-Limit of weight for delivery within the local, first and second zones, 50 lbs.; to all other zones, 20 lbs.

TABLE OF PARCEL POST RATES

All parcels of seeds, bulbs and plants over 8 ozs., and sundries over 4 ozs. in weight come under these rates. Any shipment of these less than 8 ozs. at the rate of 1c. for each 2 ozs., except sundries, which are at the rate of ic. for each oz.

In compiling this Catalog we have endeavored to give the shipping weights on most sundries, where their nature, size and weight permits their being sent by parcel post. Liquids and poisons are excluded from the mails. Plants and bulbs in aggregate lots (where not otherwise mentioned) in half dozen or less, require postage to the amount of 20 per cent. of their value. Over six and up to one dozen or more, where plants and bulbs are of a nature and weight, to permit parcel post shipment, allow for postage in the amount of 15 per cent. of their value. If you remit more than is necessary for postage we will refund the remainder to you. Plants by Parcel Post is very unsatisfactory and uncer-

tain, the service is full of delays and frequently when plants sent by this method arrive at their destination they are dead; we earnestly suggest to our customers the sending of plants by express (which rates are very reasonable now). We are then able to guarantee safe arrival, and invariably give larger and better plants.

PARCEL POST SHIPMENTS

We pay postage and packing charges on all orders for vegetable and flower seeds, provided the order calls for packets, ounces, quarter-pounds and pounds (pints and quarts of beans, corn, cowpeas and mixed grass seeds, are not included), or such other seeds where mention is made in catalog. If all seeds are wanted by mail, remit for postage at the following rates. (Consult your post office for weight limits.)

Mailing weights of seeds usually ordered in measured quantity

Corn, I pint ...I lb. | Peas, I quart ...2 lbs. | Lawn seed, I pt. ½ lb. | Corn, I quart ...2 lbs. | Beans, I pint ...I lb. | Lawn seed, I qt. .I lb. | Peas, I pint ...I lb. | Beans, I quart ...2 lbs. |



TELEPHONE SERVICE

BELL SYSTEM- 4220 Lombard 4221 KEYSTONE SYSTEM-Main { 3600 3601

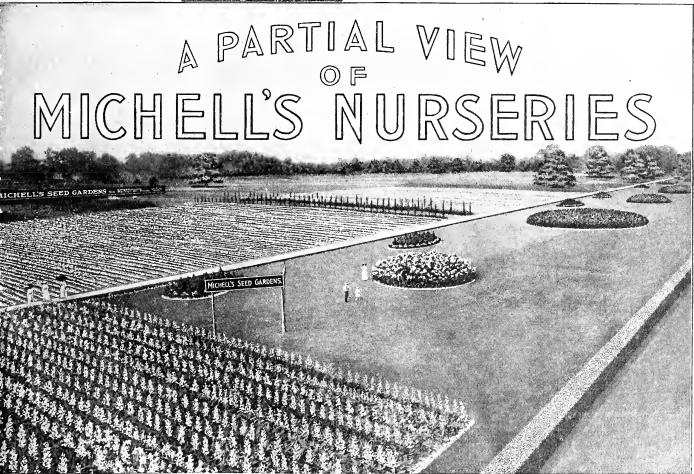
Henry F. Michell Company endeavors to send out only the very best quality of Seeds, Bulbs and Plants, but cannot guarantee results or crops. If customers do not accept our goods on the above conditions, they can be returned to us within ten days, if in original packages, free of expense to us.

View of the Michell Buildings **518 MARKET STREET** Warehouses 309-511-513 LUDLOW STREET 21-23 BANK STREET business history.

THE MICHELL **ESTABLISHMENTS** 27th YEAR

In 1890 this business was established on a modest scale; it has since grown to be recognized as one of the leading institutions of its kind. Our salesrooms, offices and warerooms occupy a 5-story building and basement at 518 Market St., a 5-story warehouse and shipping department at 511-513 Ludlow St. and a 4-story warehouse at 509 Ludlow St., another at 21-23 Bank St., manned by a well-trained organization of from 100 to 125 employees the year around. Our nurseries and greenhouses at Andalusia, Bucks Co., Pa., comprise 50 acres of highly cultivated land (11 acres having been added during 1916) devoted to hardy perennials, cannas, bulbs of various kinds, dahlias, roses and countless other specialties, including distinct strains of choice flower seeds; 16 modern greenhouses, and some 1500 or more frames (glass covered) care for the many thousands of plants propagated annually and shipped all over the United States. Our nursery department employs a staff varying from 30 to 45 inen. The reason for our con-

stantly increasing business, we feel certain, is in a large measure due to the fact that we try to take a personal interest in our custumers' needs. It is of course necessary for us each year to introduce ourselves to many with whom we have not had the pleasure of serving, and we feel that it is quite in order to quote the above short sketch of our



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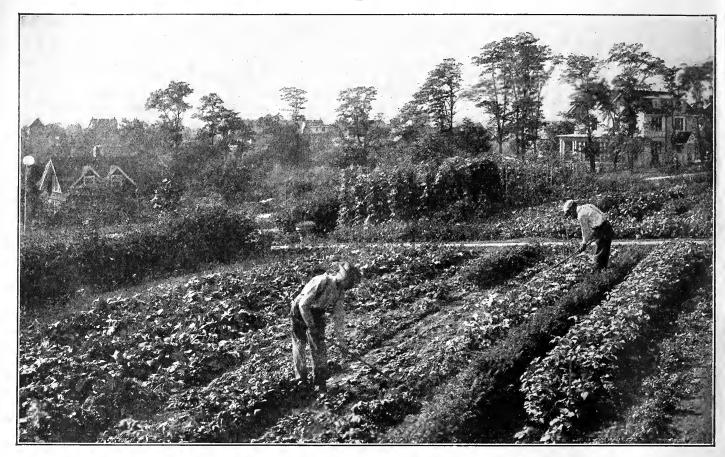
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The Home Vegetable Garden



THE VEGETABLE GARDEN

This is probably the most important part of the home grounds. From this garden one picks the luscious vegetables, and the nearer one can arrange to have it to the dwelling, the better it will be. It should not be considered objectionable, because all gardens in which any one takes pride are real show places.

LOCATION

Ground that has a Southern or Southeastern exposure is generally best when one desires early crops; in fact, it is a decided advantage if on the Northern and Western sides there is some protection—it might be termed "windbreak"—such as trees or shrubbery. A garden placed on the Southern or Eastern side of a stone wall or a building is generally a grand success.

SOIL

The soil should have good natural drainage and be reasonably light. It does not, of course, have to be light naturally, as this condition can easily be brought about by working in plenty of manure and by the addition of humus. (See page 48 of this catalogue.)

An enclosure around the garden, if it is practicable, such as a neat fence or a California privet hedge, will be found

ideal and reasonable in cost.

ARRANGEMENT OF THE VEGETABLE GARDEN

It is sometimes hard to tell a person on paper how to lay out a garden, as conditions vary constantly. In practical experience, however, it has been found that the fewer paths one has in a garden, the better. There should be one main walk down the center and on either side should be the growing crops. It is always advisable to plant things in rows, as they can be cultivated much better, and right here we want to say, always arrange to plant your vegetable garden so you can work it with be cultivated much better, and right here we want to say, always arrange to plant your vegetable garden so you can work it with a wheel hoe—if it is on a large scale, with a horse cultivator. It is amazing how much useless work can be done in a garden if it is not arranged according to this plan. In this day of garden implements—and there is a tool for practically every purpose—there is no longer any excuse for doing otherwise. With a wheel hoe a man or a boy (in fact, ladies can use them) will in one half-hour cultivate a quarter-acre garden. One could not do this with a hoe in half a day, besides, it would be more tedious and does not accomplish anything like the results, and results is what we are all after in gardening.

The hotbed or cold frame should be close to the entrance. The small fruits, if any, asparagus, rhubarb, horse radish and other permanent crops, should be planted the farthest away from the entrance, as they are in use the shortest length of time, whereas the garden crops in general are being harvested during the whole growing season. In case the garden is of such size that the space cannot readily be spared for a hotbed, this can be located outside; an ideal place is against the brick or stone foundation wall of the house

or stone foundation wall of the house.

In planning the garden; or, rather, we should say in planting it, always keep in mind the importance of getting the greatest amount from a given space, for instance: between the rows of early peas, if they are planted far enough apart, just as they are about to be picked string beans, corn, or any other crops can be planted. When the onions have been taken out for the season turnips can be sown there, and so it goes all through the list. It is rather difficult to cite every instance, but the idea will be readily grasped.

THE HOME VEGETABLE GARDEN (Continued)

PREPARING THE VEGETABLE GARDEN

If it is a new piece of ground on which a garden has not previously been located, and there is any tall grass, weeds, or other rubbish on it, cut it down, rake it together and burn it. In this way a great many obnoxious weed seeds can be destroyed.

In any event, a good, thick layer of well-rotted manure is essential. If the garden is large enough, plow it down; if smaller, use a spading fork. Harrow or rake it thoroughly in two directions to thoroughly pulverize the soil. This work should be done as soon as the frost is out of the ground, which in the latitude of Philadelphia is about March 20th.

Don't be afraid to begin your garden early, as it is far better to risk planting a few things and losing them by reason of a cold snap than to be a month behind your neighbors.

It has been found advantageous to plow or dig up the ground in the Fall. This frequently exposes grubs, worms and other insect pests which, if the ground is not turned up until Spring, have already gone down deep into the soil and play havoc with crops of different kinds. On the other hand, if the soil is turned up about the 20th of November they have not gotten below the depth of the plow or fork, and when thus exposed, perish. You would be surprised how few grubs, wireworms, and other undesirable pests you would be bothered with in the soil if this practice is followed up.

If liming is to be done it is also advisable to do it in the Fall, using what is known as air-slaked or hydrated lime and distributing it at the rate of a ton to the acre. Where this is not available, land plaster is a good substitute.

Always get the seed bed or place to be planted as fine as possible, with either a rake or a harrow. Seed comes up more easily and better if it does not have to work too hard.

FERTILIZERS

As stated in the previous paragraph, manure is the best thing to use. This is not always available, in which case commercial fertilizers, such as phosphates, bone meal, etc., must be resorted to. When these are used they can be thrown on the plowed ground and harrowed or raked in. It has, however, been found best to put them directly in the furrow that is to be planted. The seed should never be put directly on the fertilizer, but first a covering of soil over it and then the seed, so as to prevent the germination from being spoiled by burning. Many failures are traced to this.

Such fertilizers as sheep manure and pigeon manure, when properly used, are of great value. If the latter is used, try, if realists that the rest here recently the rest have properly used are of great value.

if possible, to get it unleached, in other words, manure that has not been exposed to the weather, as in the latter case all the

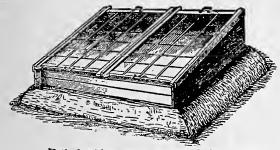
nutritive qualities have been exhausted.

Commercial fertilizers are usually applied at the rate of 800 to 1000 pounds per acre, although greater quantities can be put on. Fertilizers containing potash are very essential for root development, and would therefore be applied to such crops as potatoes, corn, etc. On the other hand, nitrate of soda is used for such crops as peas, beans and the like.

SELECTING THE SEEDS FOR THE VEGETABLE GARDEN

About January 1st is not too early to look up one's requirements. Make a careful selection of what you want and don't be afraid to order liberally. We don't mean that you should be extravagant, but the cost of the seed is the smallest part of one's expense in vegetable gardening. It is better to have a little too much than too little. You will often hear the remark: "I wish I had planted more of so-and-so, it was really delicious."

We would call especial attention to the leaflets containing cultural directions, which are distributed without charge on application either by mail or in person. Simply order them by the numbers given. These cultural directions have been carefully edited and if followed cannot help but lead to success with the article in question. (See page 7.)



Hotbed with manure on top of the ground.

EARLY VEGETABLE CROPS

The hotbed is the foundation of a successful early garden. In it should be sown such seeds as early beets, cabbage, pepper, cauliflower, tomato, egg plant, spinach and parsley. It is a fact that by starting any of these things in this fashion, if the directions described in any of the leaflets afore-mentioned are followed, you can be fully a month earlier than by any other method. This work should be commenced, in the latitude of Philadelphia, about the middle of February or first of March.

Procure a quantity of fresh horse manure and form it into a bed not less than 18 to 24 inches deep. This can be on top of the ground or below the level. Above ground, however, is better. Providing you have not already a hotbed frame and sash the former can readily be made from some 1-inch rough boards 12 inches wide, I inch thick and in a length that would suit a

feet long. Have the one end a little higher than the other, so the water and snow can readily drain off. The manure should contain a certain amount of straw to enable air to work through it and should not be packed too tightly. The packing is done by tamping it with a board or pressing it down with the feet.

After the above has been done the frame should be made, if it does not already exist, and is placed on top of the bed with a Southern exposure. On top of this manure put about six inches of good garden soil or loam, which should have been prepared somewhat the previous Fall. At the time of year when the hotbed is made it can usually be handled, if not under cover, if a bright, sunny day is selected for this work. The frost will be pretty well out of it.

We show above a cross-section of a hotbed which is described above and which might be called a temporary hotbed.

By temporary we mean that its location can be at one place one season, at another place the next season, or it may be abolished

altogether for a season, at will.

The permanent hotbed is usually a construction of concrete, brick, or 2-inch yellow pine planks. The former two methods of construction are best. The beginning of the wall or frame should be fully 24 inches below the surface. This should be dug out and filled in with manure as advised above for the temporary hotbed on top of this the soil. The manure, of course,

out and filed in will maintre as advised above for the temporary noticed; on top of this the soil. The maintre, of course, regardless of the style hotbed employed, must be changed every season, as it does not carry its heat from year to year.

When the soil has been put on top of the manure the sash should be placed on top and it should then be allowed to heat up for two or three days. No seeds should be planted therein until the temperature falls to at least 78 degrees. This can be determined by use of a glass dairy thermometer or a regular hotbed thermometer thrust into the soil. Air must be given

every mild day by raising the sashes at the back.

It will be found extremely valuable if a quantity of fresh manure is packed on the outside of any wooden frames, as this will hold the heat in the bed much longer when closed. When a hotbed can be built in close proximity to the house it is sometimes possible to run a line of hot water or steam pipe through it. This is usually done in an air space partitioned off by boards arranged underneath the soil. In such cases manure is not employed for heat—simply a layer of six or eight inches of good garden loam.

THE HOME VEGETABLE GARDEN (Continued) 6

EARLY VEGETABLE CROPS—Continued

After the seed has been planted it is not generally necessary to ventilate until it starts to come up, when air must be given on every bright, reasonably warm day; in fact, you will find that the glass of a hotbed perspires freely and will soon cause the little plants to damp off unless ventilation is given. This can be controlled according to weather conditions, giving reactive file filter plants to damp of liness ventuation is given. This can be controlled according to weather conditions, giving more or less, as required. At night it does not pay to take chances with the cold which we often get during the months of February and March. A covering of old carpet, salt hay, or some of the regulation hotbed mats will be found extremely valuable. In fact, where the climate is very cold a "shutter," as it is called, is essential for protection. This is an arrangement of tongued and grooved boards fastened together in sizes of 3 x 6, and these are laid directly on top of the mats or other

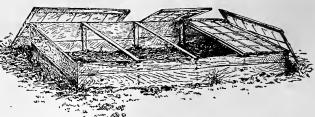
Watering should be done only on bright days and generally before noon, to allow it to either soak into the ground or evaporate otherwise to prevent danger of freezing during the night. Select bright, sunny days for watering and be sure to ventilate afterwards to allow any moisture on the foliage to dry off. When this is not done the plants frequently damp off or

are attacked by fungous diseases.

Where a person desires to raise only one or two varieties of plants, and a small quantity, a box in front of a bright, window in the house can be employed, in which case, of course, no manure is necessary. Very good results, with little sunny window in the house can be employed, in which case, of course, no manure is necessary. outlay, are had in this way.

COLD FRAMES

Many people think that a cold frame and a hotbed is the same thing. No greater mistake could be made. In making up the former, while the formation is much like that of the hotbed, there is no manure used—in fact, no heating material of any kind. It is usually a little deeper than the regular hotbed, as it is intended to put in it plants that will endure a certain amount of cold, such as cabbage, cauliflower, etc. The protection can be supplied here by means of glass sash, shutters, or heavy plantbed cloth. We recommend the hotbed sash, as it is better and more easily handled.



A coldframe.

SOWING SEED

It is curious, but a fact, that many people undertake to sow and plant without ever reading the directions or suggestions that are given to apply to the particular thing of which they want to grow a crop. Some seeds require covering deeply, some should go hardly below the surface. Often when these directions are ignored, or no attention is paid to them, nothing but failure can result.

Although no definite rule can be laid down for depth of covering, the leaflets which we have previously referred to give

this information concisely and if followed will spell success.

Plant things in rows as much as possible, as they can then be readily thinned out, which cannot be accomplished when they are put in beds. It is better to sow the seed too thickly than too thinly; sometimes weather conditions prevent a certain portion from germinating and a poor stand is the result unless it has been sown liberally. This rule applies alike to seed sown in hotbeds and outdoors. WATERING

We have already suggested the method of watering hotbeds, yet there are frequently instances where seed is sown in temporary beds outdoors to be afterwards transplanted. This applies to cabbage, cauliflower, late tomatoes, celery, and other crops. In such cases water may be applied with a sprinkling can. About every other day, providing the ground is exceedingly dry, is right. When the seed is sown and the first sprinkling given no water should be applied for two or three days, after that every other day as occasion requires. It need not be a heavy drenching, as this often causes the seedlings to damp off. Most plants should be transplanted when they are not more than two or three inches high. If allowed to go beyond that they become spindly and tender, and will not withstand any great amount of exposure such as hot, dry weather, or cold, wet weather.

INSURING HARDY PLANTS

The kind we have previously suggested for sowing in hotbeds is much better off if, before being planted out in the garden, they are subjected to a certain amount of hardening. This is nothing more nor less than ventilation and less watering. The plants should not, however, be allowed to be checked in growth due to too little watering or too much ventilation. This can be watched readily. After they have been handled in this manner for about a week they can be taken up and planted outdoors providing the weather is suitable at this time. When transplanting always select the biggest, sturdiest specimens. There are usually plenty, and the poorest might as well be thrown away. In case the seed has been sown too thickly and has come up well, the thinning out process should be done in the hotbed before the plants are hardened off. If this is not done, as stated before, the plants are likely to become spindly.

MICHELL'S CULTURAL LEAFLETS

For the special benefit of the amateur (also the experienced gardener, if he wants them) we have prepared a series of instructions how to successfully grow some of the most important vegetables; they cover, in some instances, the proper tooking method and winter storage. THESE LEAFLETS ARE FREE and can be asked for at any time, whether accompanied by an order or otherwise. Ask for them by number, it saves time.

No. of Leaflets Artichoke.

102 Asparagus.

103

Garden Beans.
Beets (Table and Cattle). 104

105 Brussels Sprouts.

106 Cabbage.

107 Carrot. 801 Cauliflower.

100

Celery.

Sugar Corn. IIO

Cucumber. III

Egg Plant. 112 **113** Herbs (Kitchen Garden).

114 Kohl Rabi.

Lettuce. Melons.

Special Notice.—We

have just compiled, at great expense, a pub-

lication, entitled

"Hardy Perennials and How to Grow Them."

A copy is yours for the

asking.

No. of Leaflets

Mushrooms. 117

118 Onions.

Peanuts. IIO

Parsley and Parsnips. Garden Peas. 120

121

Peppers. 122 Potatoes. 123

124 Pumpkin and Squash.

125 Radish.

Spinach. 126

Sweet Potatoes. 127

128 Swiss Chard. Tomatoes. 120

130

Turnip and Ruta Baga. French Winter Salads.

Special Note.-In addition to the Cultural Leaflets on Vegetables we have also prepared a series of Cultural Leaflets on Flowers, giving instructions how to grow Flowers successfully from seed. See page 109 of this Catalogue for list of these leaflets.

MICHELL'S CALENDAR OF MONTHLY OPERATIONS FOR FARM AND GARDEN

different garden and farm operations should be performed.

Our suggestions apply to the latitude of Philadelphia. South; later, if in the North.

JANUARY

Vegetable Garden. Little can be done except preparing manure and getting tools, etc., in good working order.

Flower Garden. A topdressing of well-rotted manure will be of great benefit for all hardy plants. The lawn should receive a dressing of Sheep Manure (at the rate of 1000 lbs. per acre), which will insure a fine lawn

Orchard and Farm. Protect your Fruit Trees from the ravages of scale and other insects by spraying with Lime-Sulphur or other good scale destroyers. Prune Trees, Bushes, Grape Vines, if weather is suitable.

FEBRUARY

Vegetable Garden. Prepare hotbeds and sow early Cabbage, Lettuce, Radishes. Beets, Cauliflower and Onion. Now is the best time to top-dress Asparagus Beds with manure; also give an application of Salt.

Flower Garden. Flowers, such as Pansy, Snapdragon, Carnations, Verbena, etc., etc., may be started in hotbeds or in the house, to be transplanted later.

Orchard and Farm. The instructions given for January apply for this month also.

MARCH

Vegetable Garden. Hotbeds must be finished now, and Tomatoes, Egg Plants, Peppers, etc., be sown for later transplanting. As soon as the soil is in good working order, sow late, Early Peas, Kale, Beets, Spinach, Carrots, Radish and Parsley. Set out Asparagus, Horse Radish Roots, Rhubarb and Onion Sets. Early plantings of Potatoes can be made.

Flower Garden. Pruning of Shrubs and Vines should be finished as soon as possible. The Bulb beds should be gradually uncovered, lawns raked off and topdressed, if not already done, with Bone Meal or similar fertilizer. Toward the end of the month, if the soil is dry enough, new lawns may be made and old lawns renovated. Sow Michell's Evergreen Lawn Grass Seed. Do not forget to sow some of our choice Swet Peas. Hardy Flower Seeds should be started now, either in the hotbed or in boxes in the house Hardy Flower Seed boxes in the house.

Orchard and Farm. Finish whatever spraying or pruning there may be. Begin plowing and preparing the land for seeding. Late in the month Canada Peas, Oats and Essex Rape for early green food can be sown.

APRIL

Vegetable Garden. In this month most all kinds of seeds can be sown. Sow outdoors various garden seeds for succession, Beans, Beets, Brussels Sprouts, Carrots, Early Cauliflower, Cabbage, Celery, Kohl Rabi, Lettuce, Cress, Onion, Parsley, Parsnip, Radishes, Spinach, Peas. Continue to plant Potatoes, Asparagus, Rhubarb, Horse Radish Roots and Onion Sets, etc. Cauliflower, Cabbage and Lettuce Plants from hotbeds should be set out now, after they have been hardened by leaving the sash off. Sow in hotbed Cucumber, Egg Plant, Melon, Pepper and Tomatoes.

Flower Garden. This is a busy month for the lover of Flowers. All Bulb Beds and such plants that have been covered during the winter must now be uncovered. Pansies, Daisies, Forget-Me-Nots, Hardy Primroses, etc., should be planted out now. Sow all hardy varieties of Flower Seeds, as they will flower earlier. This is the ideal month for renovating and starting new lawns. Attention paid to the Rose Garden now will be amply repaid by abundance of flowers later on. Feed your roses with Bone Meal or Sheep Manure and as soon as growth commences spray once a week with Pyrox, Bordeaux Mixture or Readeana. The latter is the only remedy against the Rose Bug.

Orchard and Farm. This is the best month for planting Fruit Trees, as well as small fruit, like Raspberries, Blackberries, Currants, Gooseberries, Grapes, etc. Sow now Canada Peas, Oats, Rape, Clovers, Grasses, Spring

MAY

Vegetable Garden. If the ground is in good condition, such tender vegetables as Cucumbers, Squash, Corn, Melons, Okra and Lima Beans, etc., may be planted as well as all hardier vegetables, especially Artichoke, Beans, Beets, Brussels Sprouts, Carrots, Cauliflower, Celery, Kohl Rabi, Leck, Lettuce, Onion, Parsley, Parsnip, Peas, Radishes, Salsify, Spinach, Early Turnips and all Herbs, etc. Finish planting Potatoes, Asparagus and Rhubarb. About the middle of the month it is quite safe to put out plants of Tomatoes, Egg Plants and Peppers.

Flower Garden. Annuals that have been started in the house or hotbed may now be transplanted to the open. Practically all hardy and half-hardy Annuals can be sown in the open ground. Keep your flower-beds well hoed or raked, to keep the weeds down, which will mean an immense saving of labor later in the season. About the middle of the month set out Dahlias, Gladiolus and Canna. Still a good time to sow Grass Seed.

Orchard and Farm. Most of the small fruit may yet be planted early in the month. Protect your Fruit Trees from the attacks of caterpillars, cut worms and other creeping insects by applying Tree-Tanglefoot. Plant winter root crops, like Mangelwurzel, Carrots, etc., also Fic.d Corn, Clover Seeds and Grasses may also still be sown, and do not forget Alfalfa, the most valuable forage crop on the American farm today. Millet and most other fodder plants, like Broom Corn, Sugar Cane, Cow Peas, etc., can also be sown.

Valuable information for the Practical and Amateur Gardener and Farmer, which helps to remember when the

They must be varied according to location; earlier, if in the

Vegetable Garden. Set out Tomatoes, Pepper, Egg Plants and Sweet Potatoes. All varieties recommended in May may be sown, especially those wanted for succession, as Corn, Beans, Cucumbers, Bects, Lecttuce, Okra. This is the best month for planting Lima Beans, both Pole and Dwarf. Late Cabbage and Cauliflower should be sown to make plants for setting out for fall crop. Look out for insects and commence dusting or spraying with a suitable insecticide.

Flower Garden. It is still time to sow Annuals, especially Nasturtium, Aster, Marigold, Zinnia, etc. Most of these bloom until frost and are splendid for cutting. The Hyacinth and Tulip Beds should be dug up now and filled with such plants as Geraniums, Coleus and other bedding plants. Finish planting of Cannas, Dahlias and Gladiolus.

Orchard and Farm. Sow Mangelwurzel, Sugar Beets, Millets, Alfalfa, Cow Peas, Crimson Clover and Ruta-Baga.

Vegetable Garden. Cabbage, Celery and Cauliflower Plants should be set out now. Sow Peas, Beans, Corn, Cucumbers, Lettuce, etc., for succession crops, also Ruta-Baga for winter crop. Autumn Radishes, Kale, Spinach, Turnip, etc., should be sown.

Flower Garden. Tall Plants, as Gladiolus, Roses, Dahlias, Cosmos, etc., should be supported by plant stakes, to prevent their being blown down or broken off by storms.

Orchard and Farm. Sow Crimson Clover for soiling Millet, Alfalfa, Cow Peas, etc.

AUGUST

Vegetable Garden. All varieties of Turnips may be sown up to the end of the month. It is still time to sow Bush Beans, Corn Salad, Cucumber, Endive, Lettuce, Early Peas, Radish, Spinach and Kale. Set out late Cabbage and Celery Plants for winter use. This is the best month to make new plantations of Strawberries. Pot-grown plants wil! produce a good crop next season.

Flower Garden. Sow perennial Flower Seeds now, which will insure their blooming next season.

Orchard and Farm. Harvesting and regular routine work fills up this month. Sow Cow Peas, Buckwheat, Alfalfa, also Crimson Clover after the last working of the Corn.

SEPTEMBER

Vegetable Garden. Cabbage and Cauliflower should be sown this month to raise plants for wintering over in cold-frames. Early Turnips may still be sown, also Corn Salad, Cress, Lettuce, Mustard, Winter Radish and

Flower Garden. Pansies, Daisies, Forget-Me-Nots, as well as all other hardy perennials, must be sown now. Lilium Candidum or Madonna Lily should be planted early this month. For winter flowering indoors plant Freesia, Oxalis, White Roman Hyacinths and Chinese Lilies. This is also one of the best months to renovate the lawn and sow Michell's Evergreen Grass Seed.

Orchard and Farm. Sow Vetches, Crimson Clover, Alfalfa, Timothy and any hay or pasture grass seeds.

OCTOBER

Vegetable Garden. Sow Spinach and Corn Salad outdoors. Make up the winter hotbeds and sow Radishes, Lettuce and Spinach for early winter use.

Flower Garden. All Fall Bulbs, as Hyacinths, Tulips, Narcissi, Crocus, Snowdrops, Squills, etc., etc., should be planted now. Still time to sow Grass Seeds, either for new lawns or for renovating old ones. Plants of Hardy Perennials and Shrubs should be set out now.

Orchard and Farm. Plant Fruit Bushes and Fruit Trees. Sow Timothy, Winter Wheat, Rye, Clover and Grass Seeds. Any idle land can be plowed now to bring insects to the surface.

NOVEMBER

Vegetable Garden. This is a busy month in the Kitchen Garden. All vegetables intended for winter use should be attended to before real winter weather sets in. Asparagus beds should have a liberal dressing of manure, and such vegetables as Onions, Cabbage, Spinach, etc., should be covered with two or three inches of leaves, salt hay or straw.

Flower Garden. Finish planting of all Bulbs for spring flowering. Top-dress the lawn with Bone Meal, Wood Ashes or some other good fertilizer. Orchard and Farm. Plant all kind of Fruit, Shade and Ornamental Trees and Bushes. Spray trees when the leaves have fallen, and later in the month some trimming may commence. Winter Rye may be sown as late as the 20th.

DECEMBER

Vegetable Garden. But little can be done this month, except making preparations for the following season. If possible, all empty ground should be dug or plowed this month, which will not only benefit the soil, but greatly facilitate work in the spring.

Flower Garden. If not already done, topdress your lawn with Bone Meal, Wood Ashes or other good fertilizer. Cover Hardy Perennials with litter, salt hay or straw.

Orchard and Farm. Spraying for San Jose Scale, trimming and pruning can be done now.

can be done now.

8 Michell's Vegetable Novelties and Specialties

We realize, of course, that the varieties, offered on this and the three pages following, are not all strictly new. At the same time they are worthy of special attention and we recommend them highly.

TWO NEW DWARF BEANS

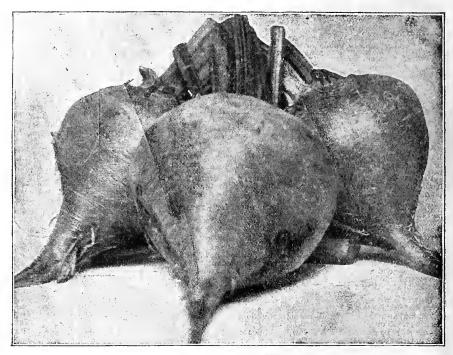
Glory of St. Andrew (*Green Pod*). A dwarf compact grower and a tremendous yielder with a round pod absolutely stringless in the young stage, in our trials the past year we were much impressed with this variety on account of its wonderful productivity; quite immune from diseases that attack beans and an early maturer. Price, 15c. per pkt.; 40c. per pt.; per qt., 75c.

per pt.; per qt., 75c.

Mont d'Or (Wax Pod). Semi-round in form and in comparison with the variety mentioned above it seems to possess the same qualifications except shape and color of pod. Price, 15c. pkt.; 40c. pt.; qt., 75c.

BEET

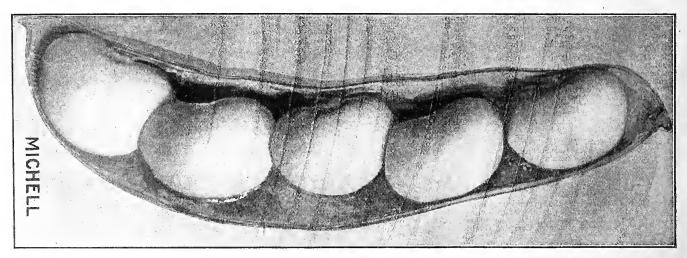
Michell's Ideal. This variety is the result of II years of hard and careful work by an expert vegetable grower in Bucks Co. It is a cross between Detroit and Eclipse, combining the excellent qualities of both, but is much better than either. It is turnip shaped; for tenderness, rich color and uniformity it is remarkable. It is named Ideal, because, after the great length of time spent to bring it to its present state, the originator felt that he reached the ideal he was seeking in the beet line. It is primarily intended for garden culture as an early summer variety, but adapts itself also as an autumn and winter beet. Ioc. per pkt.; per ½ oz., 15c.; 25c. per oz.; ¼ lb., 85c.; \$3.00 per lb.



New Beet, "Michell's Ideal"

Michell's "Winter Keeper." This grand new beet is almost globe shaped, tapering slightly toward the root. The dark blood red flesh is always tender. The hard, stringy, wooden-like substance, so common in many varieties, is entirely absent in this sort. It is ideal as a late summer cropper, or for use during winter and s pring, until new beets are on the market again. Pkt., 10c.; 20c. per oz.; ½ lb., 70c.; \$2.50 per lb.

For other beets, see page 17.



Giant Podded Pole Lima Beans

"MICHELL'S EVERGREEN" LIMA BEANS

A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. The pods hang in clusters, 6 to 8 in a bunch, which makes them very easy to gather. All who grow limas should have this valuable variety in the home or market garden. Pkt., 15c.; 35c. per pt.; qt., 60c.; \$2.00 per 4 qts.; peck, \$3.75.

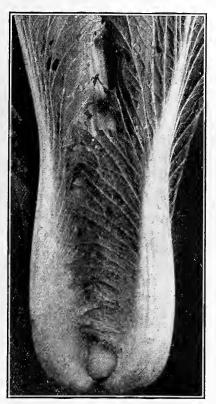
GIANT PODDED POLE LIMA BEANS

This variety produces pods, frequently 8½ inches long, which are well filled with tender beans, which are of a most delicious flavor when cooked. Its producing qualities are phenomenal; combines a vigorous growth with numerous laterals, which yield quantities of pods in clusters, usually as many as 8 pods. These stand out well from the foliage, so that they can easily be picked. In this variety it is recommended to leave but 2 or 3 stalks to the pole. Giant Podded Pole Limas bear well up to frost. 10c. pkt.; 30c. per pt.; per qt., 50c.; \$1.75 per 4 qts.; 3.00 per peck.

Michell's Vegetable Novelties and Specialties

CHINESE CABBAGE (Pte-Tsai)

The American gardener as well housewife will hesitate, in thinking, that anything of Chinese origin would be suited to their taste. This. however, is not the case with the Chinese Cabbage. The plant is of upright growth, about 15 inches, sometimes more sometimes less, soil conditions governing. It resembles in appearance and growth a head of Cos Romaine or Celery Lettuce, but possesses the attractive curly feature of Silesian Lettuces, and possesses a broad, wide rib. The heads are rib. The heaus avery firm, almost as Cabbage. The flavor is delightful, not at all like Cabbage, but rather on the order of Witloof Chickory or French Endive. It may be served as lettuce, tasting better with salad dressing, or it makes excellent Cole Slaw when it is prepared exactly as



Chinese Cabbage

one would prepare Cole Slaw from Cabbage. It may also be cooked as one would Cabbage, the flavor somewhat resembling Cauliflower. It can be planted as a spring or autumn crop; for latter the seed to be sown in July. The head does not become as high then as when sown in spring, and is adapted in that season rather as a Lettuce than as Cabbage. May be forced readily in cold frame. We are convinced that this vegetable will become popular very shortly. The small plants are handled much like Lettuce, except that they should be set out from 15 to 18 inches apart, the rows 2 to 2½ feet apart. They prefer naturally low or moist garden soil, although they will thrive in almost any soil conditions. Pkt., 10c.; ½ oz., 15c.; oz., 30c.; ¼ lb., \$1.00.

THREE SPLENDID CELERIES

New York. One of the most popular leading sorts; it excels others of the self-blanching varieties, developing dwarfer, much larger bunches, with broad heavy stalks, which blanch very readily. The crisp, tender stalks, their freedom from stringiness, and excellent flavor, make this a great favorite. It is worthy of a first place as an early celery. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c

Golden Self Blanching (French Grown Seed). One of the earliest and most productive sorts. The beautiful golden-colored stalks attain a height of 18 inches, which during the growing period are never pithy, of excellent flavor requiring no artificial blanching process, ready for use in October, but may be kept for early winter use. Our seed has been grown in France, and is much superior to American-grown seed. Pkt., 150: 850. per ½ 0z.; \$1.50; \$6.00 per ½ lb.

New Columbia. A winter variety of great merit making heavy attractive plants that yield thick nutty flavored stalks of medium height, as a keeper none excel it and few approach it. Pkt., 10c.; 20c. ½ oz.; oz., 30c.; \$1.00 ½ lb.

SPECIAL OFFER. 1 pkt. each of the varieties on this page, 40c., postpaid.

CHICORY OR WITLOOF

This delicious vegetable is becoming more popular each year. The roots are easily produced from seed, sown in May or June. They are taken up and wintered over, heeled in soil, or otherwise cared for in a frost-proof cellar, as one would care for Turnips, Carrots or similar It is used only as a winter vegetable, the top part only being edible. While best results are obtained from planting the roots under a bench in the greenhouse, nevertheless a light, dry, warm portion of a cellar will serve the same purpose. In either case a bed of rich garden soil, about 12 inches deep, and in a size to accommodate whatever number of plants it is desired to force at one time. They should be placed about 6 inches apart each way. The top growth remains intact, as the illustration shows and may be cut any time after they have about 5 inches growth, before the heads begin to expand. Roots should be set in the ground the same depth as they were originally in the garden. A continuous supply of this delicious winter vegetable can be had from December 1st to April 1st. A cold frame makes also an ideal place for forcing them in



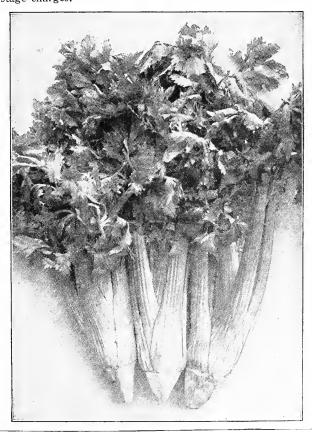
Witloof Chicory

the late winter or early spring months. Care should be taken, when grown indoors, to water occasionally, as conditions may demand. Strong Roots. 10c. each; doz., \$1.00; \$7.00 per 100

Strong Roots. Ioc. each; doz., \$1.00; \$7.00 per Ioo.

Seeds. 5c. per pkt. (large pkt., Ioc.); ¼ lb., 45c.; \$1.50 per lb.

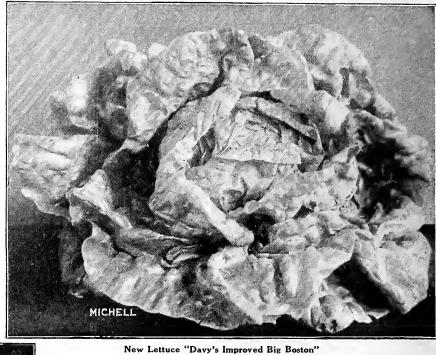
If Chickory roots are wanted by mail, add Ioc. per dozen for postage charges.



¹⁰ Michell's Vegetable Novelties and Specialties

NEW HEAD LETTUCE "DAVEY'S IMPROVED STRAIN OF BIG BOSTON"

This seed is produced for us in a suburb of Paris, France, by one of the leading market gardeners there, where he created a heavy demand for this variety, The strain is far in advance of the usually good American "Big Boston" type of Lettuce. The outer leaves of the head are large and somewhat loosely set around a solid, buttery, well flavored heart or interior. We have sold this variety extensively to some of our market gardener customers and many of them booked their order in advance for this season's supply, in event of a crop failure. It is ideal for hotbed culture in the early spring and autumn, while for summer growing it is one of the best. Per pkt., roc.; 20c per ½ oz; oz, 40c; \$1.25 per ¼ lb.



ONION GIANT GIBRALTAR

While not a new variety it is a splendid sort for the home garden. It grows to a mammoth size, some claim it to be even larger than Ailsa Craig under the same growing conditions. It is a light straw-yellow color, in shape not quite so globular as the former. It is rather mild in flavor and a splendid keeper. Pkt., 10c.; ½-oz., 25c.; 45c. per oz.

MELON or CANTALOUPE "HONEY DEW"

The original seed of this came from Africa; was planted in Rockyford, Colorado, and crossed with the famous Rockyford Melon. It was offered extensively in the Philadelphia markets as late as November during the past year and brought big prices. It might easily be termed a family melon because one is large enough for a number of people. It is large in size, being six inches in diameter and from seven to eight inches long. The skin is smooth with an occasional net, is creamy when white. The thick flesh is emerald green melting and of a wonderfully delicious flavor sweet as honey. The ripe melons can be kept in a suitable place for several weeks before using. In fact, they can be placed in cool storage and kept until Christmas. Pkt., 10c.; 20c. ½ 0z.; 0z., 35c.; ¼ lb., \$1.25.

GRAND NEW WATERMELON TOM WATSON

A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh which, by the way, is of splendid texture and flavor; the sugary meat really melts in your mouth. Nothing can touch it in the melon line for shipping qualities, the rind being tough it will resist plenty of abuse. Pkt., 10c.; 15c. per 02.4 1/4 lb., 30c.; \$1.00 per lb.

SPECIAL OFFER: 1 pkt. of each of the varieties of Vegetables on this page for 40c.



Honey Dew Muskmelon

NEW GIANT ONION AILSA CRAIG

Aílsa Craig is positively the largest growing onion in existence. It is nothing unusual for ordinary specimens to measure 6 inches in diameter, while those especially cultivated for size grow even larger. This variety should be sown in a flat and transplanted into the garden as one does leek or similar vegetables. The color is a light straw yellow, the flavor is mild and altogether it is quite easily the best all round private garden onion; globe shaped. Pkt., Ioc.; 25c. per ½ oz.; oz., 5oc.

Michell's Vegetable Novelties and Specialties

TWO SPLENDID GARDEN PEAS

Michell's Special Extra Early

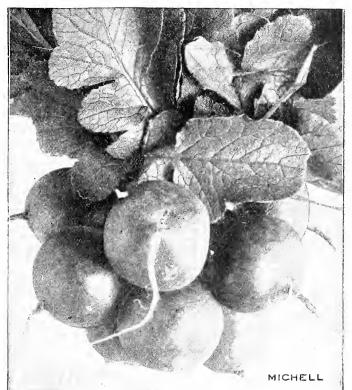
The peer of all smooth-seeded sorts. The vines are about 24 inches high, the pods 2½ to 3 inches long; they hold 5 to 7 peas each. The delicious flavor and sweetness, the tender quality and smoothness of Michell's Special Extra Early is well known to many satisfied customers. The extreme earliness of this sort distinguishes it from all others; as it produces the earliest crop of this delicious vegetable; its hardiness enables it to be planted as soon as the frost is out of the ground. Be sure to include some of this variety in your order. Pkt., Ioc.; 25c. per pt.; per qt., 45c.; \$1.75 per 4 qts.; peck, \$3.25.

The Pilot or Leader

A valuable early variety, smooth seeded, yielding large pods and peas rivaling in size with Gradus. A strong, vigorous grower, which means a heavy cropper. The flavor is splendid and its general habit will commend to all planters. Pkt., 10c.; 20c. pt.; qt., 40c.; \$1.50 for 4 qts.; peck, \$2.50.

NITROGEN-GATHERING BACTERIA FOR PEAS

Means bigger crops, healthier vines, early and more continuous crop. See page 55.



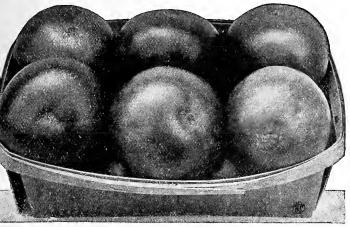
Michell's Private Stock Cardinal Globe Radish

RADISH, MICHELL'S IMPROVED STRAIN CARDINAL GLOBE

For greenhouse, hotbeds or for outdoors. Very early, mild, crisp and tender; it is one of the best radishes in the market. It has a very handsome, rich, bright scarlet color; it resists heat without becoming pithy. Michell's Cardinal Globe Radish should be planted in every garden for market as well as home use. In order to have a continuous supply, plantings should be made every ten days. Pkt., 5c.; 15c. per oz.; ¼ lb., 4oc.; \$1.25 per lb.

SPECIAL OFFER. I pt. Michell's Special Extra Early Peas, I pt. The Pilot Peas, I pkt. Pr. St. Cardinal Globe Radish, I pkt. Crackerjack Tomato, for 6oc. If wanted by mail allow for postage. I pt. Peas weighs I lb,

New Pea, Pilot or Leader



MICHELL'S EXTRA EARLY "CRACKER JACK" TOMATO

For several seasons our customers have been getting splendid satisfaction from this variety. It is one of the earliest Tomatoes grown and a continuous bearer until frost, the latter being one of its chief characteristics, most early tomatoes having finished by the middle of September. The fruit is medium sized, brilliant red, very smooth and solid, with remarkably few seeds. Grows principally in clusters of from 5 to 10 tomatoes, which are invariably uniform in shape. Per pkt., 15c.; 25c. per 2 pkts.; per ½ oz., 30c.; 60c. per oz.

MICHELLS DISTINCTIVE VEGETABLE SEEDS

ASPARAGUS (Asperges-Spargel-Esparrago) (Sow 5 lbs. per acre, or 1 oz. to a 50 toot row)
Asparagus grows easily in almost any good soil, but best results are obtained in well enriched, deeply dug, sandy loam. A well cared for bed improves with age, and lasts for many years. It may be grown from seed, but much time is saved by planting roots. Seed should be sown thinly in early spring in rows I foot apart. Thin out the weakest plants so the remainder will be 4 inches apart. When I year old transplant in the permanent bed, from where it can be cut three years later. "Michell's

can be cut three years later. "Michell's Leaflet on Asparagus Culture" gives full information and is mailed free, or included in orders if asked for.

Michell's Giant Argenteuil (Special Strain). Of all the varieties that we have extensively tried, this has been found to excel, both from a point of productiveness, tenderness, earliness and resistance to diseases. In size it is a giant, a marketable shoot or spear is often two inches in diameter and 12 inches long, of which every part when boiled is tender and delicious. It is the one variety that succeeds well in all soils and climates. Color, pure white, with a greenish purple tip. Pkt., 10c.; 20c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

Roots, 2-year-old ...\$1.00 \$4.00 \$7.50
" 3 " ... 1.75 7.50 15.00

Barr's Mammoth. A variety producing heavy, stout spears of delicious flavor; the growth remains green when cooked; a very popular sort. Pkt., 5c.; 10c. per oz.; 1/4 lb., 25c.; 80c. per lb.

Roots, 2-year-old \$1.00 \$4.00 \$7.50 \$7.50 \$7.50 \$8.00 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50

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 Roots, 2-year-old
 Per 100 \$1 00 \$4.00
 Per 500 \$7.50
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 3
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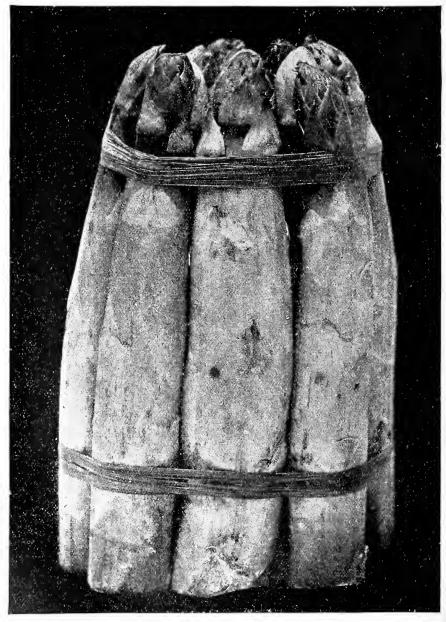
Copy of Testimonials

I also desire to say the seed I purchased from you last year gave excellent results.

MRS. CHAS. DOUGLAS.

Colorado Springs, Colo.
Mrs. Hopkins wishes me to state, that
the seeds purchased from you, have
proved very successful and she is more
than pleased with the results.

Secretary for Mrs. B. H. Hopkins.



Michell's Giant Argenteuil Asparagus

MICHELLS VEGETABLE SEEDS 518 PHILA





Green Globe Artichoke

ARTICHOKE

Artichaut-Artischoke Alcachofa

1 Ounce will produce 500 plants

Sow seeds in January in greenhouse or in hotbeds in March or outdoors in May, if sown outdoors transplant when large enough in rows 3 feet apart, 2 feet apart in the row. Cultivate when growing, freely, and protect the plants in winter with leaves or straw.

Green Globe. Pkt., 10c.; 40c. ½ oz.; 1 oz., 75c.

Ask for Special Leaflet No. 101 on Artichoke Culture.

ARTICHOKE PLANTS (Green Globe)

(Ready in April)

We grow a large stock of these, for those who do not care to bother with them from seed, thus they can be assured of an early crop. The cultural and cooking method is fully explained in Leaflet No. 101. \$1.50 per doz.; 25 for \$2.50; \$10.00 per 100

ARTICHOKE ROOTS (Jerusalem)

(Ready in April)

Sometimes called the American Artichoke, used for table and stock feeding. Cut the tubers to single eyes and plant them like potatoes, 3 to 4 feet apart each way, placing three or four tubers in a hill. Leave the tubers in the ground and dig them as wanted; they are hardy. Cultural and cooking method is fully explained in Leaflet No. 101. 15c. qt.; peck, 75c.; \$2.75 per bu.

ANISE HERB (Annual, not Hardy)

Frequently used for flavoring and medicinal purposes. Cultural directions for this and other herbs is given in Leaflet No. 113. Pkt., 5c.; 10c. oz.; 1/4 lb., 35c.

BALM HERB (Annual, not Hardy)

Leaves are used for making wine, tea, etc. As a food for bees the flowers are invaluable. Cultural directions are given in Leaflet No. 113. Pkt., 5c. and 10c.; 3oc. per oz.

BORAGE HERB (Annual, not Hardy)

The leaves are used principally for mixing with salads and for flavoring, bees also thrive on the bloom, which is rich in honey. Culture is given in Leaflet No. 101. Pkt., 5c.; 10c. per oz.; 1/4 lb., 35c.

BROCCOLI One Ounce will Produce 3000 Plants Broccoli-Spargelkohl-Broculi

A vegetable much resembling cauliflower and often grown where the latter does not thrive. The cultural method is much like that for Cauliflower planted outdoors, which is given in Leaflet No. 108.

White Cape. Pkt., 5c. and 10.; 15c. ½ oz.; oz., 3oc.; \$1.00 ¼ lb.



Brussels Sprouts

BRUSSELS **SPROUTS**

Chou de Bruxelles-Rosenkohl Berza de Brusels

One Ounce will produce 3000 Plants

Sow seed about May 15th; transplant when about 4 ins. high in rows 3 feet apart, 2 feet in the row. When heads begin to crowd, the lower leaves should be broken from the stem of the plant to give them plenty of room. They are best for cooking after they have had a slight frost. For Complete cultural method ask for Leaflet No. 105.

Matchless Improved.

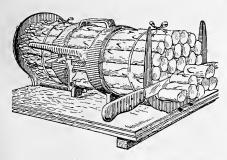
BRUSSELS SPROUTS PLANTS

(Ready in July)

25 for 20c.; 50c. per 100 (by mail, 65c.); per 1000, \$3.50.

ACCESSORIES FOR GROWING AND MARKETING ASPARAGUS

It is well to have the necessary equipment when growing this luscious article, whether used for home consumption or market, it is more valuable when properly cut, bunched and tied.



ASPARAGUS BUNCHERS

Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tied and looks uniform. With Knife Guard, \$2.00. P. P. Wt., 7 lbs.

BOOKS ON ASPARAGUS

By Hexamer, 50c. per copy.

By Michell, 10c. per copy.

The latter book included free with all seed orders where asked for.



ASPARAGUS KNIVES

Bateman's (see cut)\$0.40 American. V-shaped blade50

RAFFIA (Tying Grass)

The ideal material for tying asparagus bunches in a neat and economical manner. Colored in various shades .25 .85

RAFFIATAPE

A linen and paper composition, in bolts of 250 yards; color, nile green. Per bolt, 75c.; 6 for \$4.25.

JUTE TWINES

Very soft and pliable, 2-, 3- and 5-ply. 12c. per large ball; 1b., 24c.

ASPARAGUS TAPE

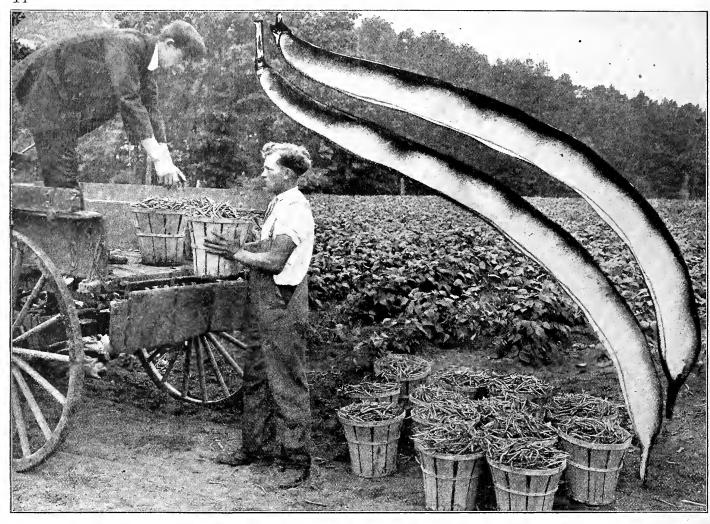
Fast red, water-proof, in 1000-yd. spools, \$3.50 each.

ASPARAGUS SALT (Agricultural)

Applied in the spring for destroying weeds; 600 to 800 lbs. per acre. \$1.00 per 100 lbs.; 200 lbs., \$1.75; \$12.00 per ton.

ASPARAGUS FERTILIZER

Compounded after a formula recom-Natural ... \$0.08 \$0.25 \$1.00 mended by a leading asparagus grower; apply 600 lbs. per acre. \$2.00 per 100 lbs; 200 lbs., \$3 75; \$32.00 per ton.



Getting Michell's (Improved Strain) Stringless Green Pod Beans ready for Market

DWARF GARDEN BEANS (Green Podded)

Haricots Nains—Buschbohnen—Faginoli Nani Plant 1½ Bushels per acre. If desired by mail add 8c. per Pint, 15c. per qt. for postage

Sow in rows 2 feet apart, using about I quart to every 100 feet of drill, keep the soil well stirred between the rows. Plant when all danger of frost is past in succession once every week until 8 weeks before frost. Cultural Leaflet No. 103 is very explicit on bean growing; ask for a free copy.

VERY SHORT CROP

All Varieties 10c. Per Large Pkt. (Except as Noted) Postpaid

If beans are wanted by parcel post allow for mailing. 1 pint weighs 1 lb., 1 qt. weighs 2 lbs.

Glory St. Andrew (New). Round podded medium early dwarf grower, a great cropper. Pkt., 15c., 40c pt., qt., 75c.

Michell's Improved Strain of Stringless Green Pod. Even when the pod has become quite old it still retains its stringless qualities. It recommends itself also by its extreme earliness, prohific and continuous bearing qualities and superior flavor. Can be planted successively through the season; its handsome round pods, often seven inches long. The leading sort for the home or market garden, extra early. Pt., 35c.; 65c. qt.

Stringless Green Pod (Usual Strain). While this is a good type, the Improved Strain offered above is worth the difference. Pt., 30c.; 60c. qt.

Red Valentine (*Usual Strain*). This is the old-fashioned favorite, from which the Improved strain is a distinct selection. 25c. pt., qt., 50c.

Michell's Improved Red Valentine. A carefully selected stock of this well-known variety; its popularity is due to the fact that it is one of the earliest sorts, maturing often in 45 to 50

days. It can withstand early slight frosts without injury; its foliage is immense, it always produces a heavy crop of long round deep colored saddle-back pods, which if wanted in a tender stage should be picked while young, in this condition they are absolutely stringless. On account of its prolific habit, and large pod, it is desirable for market purposes, while for the home garden few can equal it. Pt., 30c.; 60c. qt.

NITROGEN GATHERING BACTERIA

(For Inoculating Garden Beans)

These wonderful preparations will revolutionize your bean crop, both in quantity and length of bearing time. These Highbred Bacteria are grown and selected by a costly laboratory process, until they develop the wonderful possible power of creating 2000 pounds of nitrates to the acre. The efficiency and authority of these preparations is unquestionable. Use according to directions and always mention the crop for which it is wanted. Trial Bottle for Garden, 25c.; 5oc. per ½ acre bottle. (See page 55 for particulars and several brands.)

Note. —The bean crop is again one of the smallest harvested in many years and we believe there will not be enough to supply all orders; so better place your needs at once.

Special Note.—Beans have not been so scarce for years, and customers are advised to order their requirements in this line as early as possible, as the supply will be very short. We have kept our prices on these just as low as possible but believe that it will be necessary for us to revise them later by advancing the price to conserve the supply.

Large Packets of Beans, all varieties (except as noted), 10c. postpaid.

Best of All. A highly desirable sort for private garden use; the pods are long, set early and yield in great abundance;

very tender. Per pt., 25c.; 45c. per qt.

Black Valentine. Pods very long and slender, semi-round and well flavored, slight string when old. Per pt., 25c.; 50c. per qt.

Early Long Yellow Six Weeks. The word yellow refers to the seed only, pod flat, very early, tender and long, slight string when old. Per pt., 25c.; 45c. per qt.

Early Mohawk. This variety can be planted before any other

sort, being quite hardy, large cropper, flat pod. Per pt., 25c.;

Extra Early Refugee. An extremely early, fleshy, saddlebackpod variety, slight string as it ages. 3oc. per pt.; per qt., 5oc.

Full Measure. Produces a round stringless pod of fine quality and flavor; it is very prolific early and will please the home gardener. 30c. pt.; qt., 50c.

Mammoth Stringless or Giant Valentine. An improvement on Burpee's Stringless Green Pod, early round pod, free from string and, while not so prolific, makes a much larger pod. Per pt., 35c.; 65c. per qt.

Triumph of the Frames. For forcing this is especially desirable, the pods are round, thin and tender but very long. It is also suitable for outdoor planting. Per pt., 40c.; 75c. per qt.

Longfellow. A splendid green string bean, with extra long, round, well-formed pods; tender, medium early and delicious; very prolific and profitable to grow, has a slight string when old. 30c. pt.; qt., 50c.

Sion House. A round-podded sort, suited to forcing. A great producer, excellent also for planting outdoors. 3oc. per pt.;

DWARF BEANS FOR SHELLING (Winter Use)

If there is any vacant space in the garden it always pays to plant some of these varieties. For soups, baked beans, etc., they are grand. They can be used in the green state like other sorts, but for the first-named purpose they are best.

Boston Navy or Pea. for soup and baking purposes. Per pt., 25c.; 45c. per qt. Broad Windsor. An English bean used in the dry state shelled. Plant in rows about 3 feet apart, about 8 inches apart in the row. Per pt., 30c.; 50c. per qt.

White Kidney or Royal Dwarf. Per pt., 25c.; 50c. per qt.

White Marrowfat. Per pt., 25c.; 5oc. per qt.

Dwarf Horticultural. One of the best early shell beans grown, the thick flat stringless pods are colored red and green, the bean is large, round and speckled. Per pt., 30c.; 60c. per qt.

WAX OR YELLOW PODDED DWARF BEANS

These should not be planted quite as early as the green varieties, they being more tender are liable to rot.

Mont d'Ore (New). Round podded medium early, heavy cropper, dwarf compact grower. Pkt., 15c.; 4oc. pt.; qt., 75c.

Michell's Improved Strain Dwarf Golden Wax (Rust Proof)

This type far surpasses the old favorite in many points; the plants are very vigorous and thereby rust-resisting. The thick flat stringless pods are formed quite early and in great profusion. The handsome masses of golden beans are very uniform, being broad, thick and almost solid flesh, exceedingly tender and brittle, with no coarse or fibrous growth during any period of development. Per pt., 40c.; 75c. per qt.

Dwarf Golden Wax Rust Proof (Usual Strain). Per pt., 35c.; 65c. per qt.

Black or German Wax (Pencil Pod Strain). A round-podded, hardy sort, entirely stringless, very early and desirable. Per pt., 35c.; 65c. per qt.

Stringless White Wax. A very hardy variety for early planting, makes a beautiful thick flat pod almost pure white. Per pt., 35c.; 65c. per qt.

Currie's Rust-Proof Wax. An improved type; extra early; a tremendous yielder with long thick flat pods, which have a slight string when old. Per pt., 35c.; 65c. per qt.

Round-Podded Kidney Wax. A vigorous grower, producing very fleshy pods, entirely stringless and rust-proof; very early. Per pt., 35c.; 65c. per qt.

Valentine Wax. The earliest wax bean in cultivation; pods round, rust-proof and very fleshy; entirely stringless. Per pt., 35c.; 65c. per qt.

Wardwell's Kidney Wax. A favorite market-bean; bears very long, thick flat pods in great abundance; one of the best medium early sorts; excellent quality; free from rust; a reliable cropper. Per pt., 35c.; 65c. per qt.

Davis' White Wax. A long slender thick flat podded sort, almost white, very fine; slight string when old. Per pt., 35c.; 65c. per qt.

INOCULATING BACTERIA FOR GARDEN BEANS. A high grade nitrogen bacteria used in growing garden beans, produces wonderful results. 25c. per garden size bottle; 1/4 acre bottle, 50c. See page 55.



Michell's (Improved) Golden Wax Bean

MICHELL'S LIMA AND POLE BEANS

One quart will plant 100 hills; 12 to 15 qts. per acre

Plant when all danger of frost or cold nights is over. Don't be afraid to put a liberal number in a hill, as this is cheaper than re-planting; often one bean germinates where another won't, even on the same hill.

Cultural Leaflet No. 103 covers growing of beans in detail, get a free copy.

POLE LIMAS

Michell's Evergreen (see illustration). A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. The pods hang in clusters, 6 to 8 in a bunch, which makes them very easy to gather. All who grow limas should have this valuable variety in the home or market garden. Pkt. 15c.; 35c. per pt.; qt., 6oc.; \$2.00 per 4 qts,; peck, \$3.75.

Carpenteria. A variety that retains its green color in all stages of growth, even after being dried, with this it combines wonderful prolificness, flavor and size, a good early variety, 3 to 4 beans in a pod. Pt., 20c.; 40c. per qt.; 4 qts. \$1.40; \$2.50 per peck.

Dreer's Improved Potato or Challenger. Early and more prolific than the Large Lima; beans small, extra quality. 20c. per pt.; per qt., 40c.; \$1.25 per 4 qts.; peck, \$2.25.

Giant Podded. This variety is fully a week earlier than King of the Garden. It is a prodigious cropper, producing its pods in large clusters. These are well filled with large fleshy beans of excellent quality. 30c. per pt.; per qt., 50c.; \$1.75 per 4 qts.; peck, \$3.00.

King of the Garden. Vigorous grower, producing a continuous bloom and fruitage to extreme end of season. Pods are of enormous size, many specimens measuring from 5 to 8 inches, producing as high as six beans to the pod, perfectly formed and of superior quality. 20c. per pt.; qt., 40c.; \$1.25 per 4 qts.; peck, \$2.25.

Michell's Selected Large Jersey. Has proven exceedingly satisfactory; beans are very tender and luscious. An extra selection of seed stock; large fine beans, all hand picked. 25c. per pt.; qt., 45c.; \$1.50 per 4 qts.; peck, \$2.50.

BUSH LIMAS

Bush Limas should be planted for early crops, as they come into bearing much sooner, but are not so prolific as the pole varieties.

Fordhook. This is the best type of bush lima in cultivation, it has a distinct upright vigorous growth; the pods, which are borne in clusters well above the ground, frequently contain as many as 4 thick luscious beans. It matures very early and continues in bearing till frost. Pt., 30c.; qt., 50c.; 4 qts., \$1.75; \$3.25 peck.

Burpee's Improved Bush Lima. This is so far ahead of the old strain of Burpee's Bush Lima, that it should be used instead; the bean is thicker, sweeter and earlier, being also more prolific. Pt., 25c.; qt., 50c.; 4 qts., \$1.75; \$3.25 per peck.

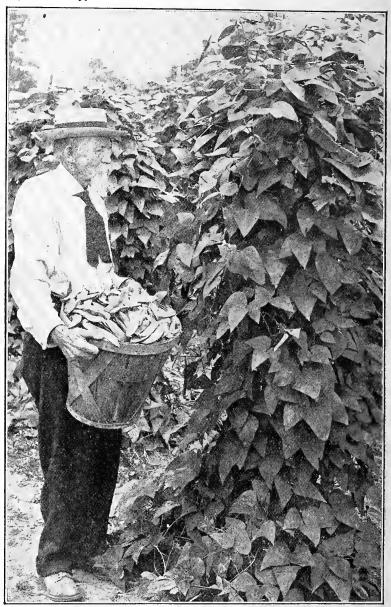
Henderson's. The earliest sort, beans are flat, very small and tender, of excellent flavor. Pt., 20c.; qt., 40c.; \$1.25 for 4 qts.; peck, \$2.25.

POLE STRING BEANS (NOT LIMA)

Plant in hills 4 feet apart, four or five beans in a hill, eyes downward, afterward thin to three plants in a hill.

Early Golden Cluster Wax. Pods very tender, 6 to 8 inches long, of large size, borne profusely in large clusters of 3 to 6 beans; beautiful golden yellow color, which they retain after being picked. Pt., 25c.; qt., 50c.; 4 qts., \$1.75; \$3.25 per peck.

Horticultural or Speckled Cranberry. Speckled red and green pod. Used extensively for shelling, very prolific, and a late cropper, long pods usually containing from 9 to 12 beans. Pt., 25c.; 4oc. per qt.; 4 qts., \$1.50; \$2.50 per peck.



Michell's Evergreen Pole Limas

POLE STRING BEANS—Continued

Kentucky Wonder (Old Homestead). (Green Pod.) One of the best green pole beans, producing pods in clusters, ready for use about 85 days from time of planting; very tender pods, almost stringless, often 8 inches long. Pt., 25c.; 4oc. per qt.; 4 qts., \$1.50; \$2.50 per peck.

Lazy Wife's. (Green Pod.) Excellent, heavy cropper. Pt., 25c.; 4oc. per qt.; 4 qts., \$1.5o; \$2.5o per peck; bu., \$10.00.

Scarlet Runner. (Green Pod.) Sometimes used for its showy scarlet flowers, although it is fine for cooking when shelled. Pt., 3oc.; 6oc. per qt.

CEDAR BEAN POLES (Pointed)

Extra selected quality, 25 for \$3.00; 50, \$5.75; 100, \$11.00.

MICHELL'S TABLE BEETS One ounce will sow 50 feet of row; 5 lbs. will sow an acre.

Betterave-Salatrube-Barbabietola

NOTE.—Price of Seeds on this page in lb. lots and less includes postage charges.

The soil best suited for beet culture is that which is rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked; when the plants are large enough thin out to stand four inches apart in rows. Send for Cultural Leaflet No. 104 on beets.

Crosby's Egyptian. One of the earliest beets, especially desirable on account of its rich blood red color throughout, and its extreme tenderness, which it retains through all stages of growth. Used for an early spring and winter variety, it being a good keeper. Pkt., 5c.; 15c. oz., 1/4 lb., 5oc.; \$1.75 lb.

a good keeper. Pkt., 5c.; 15c. oz., ¼ lb., 5oc.; \$1.75 lb.

Crimson Globe (Michell's Improved). Almost round in shape, of a rich deep red color. It has a distinct delicious flavor and is very tender, good for sowing early for forcing and summer use. Pkt., 5c.; oz., 15c., ¼ lb., 5oc.; \$1.75 per lb.

use. Pkt., 5c.; oz., 15c., ¼ lb., 5oc.; \$1.75 per lb.

Arlington Favorite. Extra early; exceedingly sweet, rich, blood red, turnip-shaped. Pkt., 5c.; .15c. per oz.; per ¼ lb., 4oc.; \$1.50 per lb.

Bastian's Extra Early. The best beet for market and family use, grows quite large, turnip-shaped. Pkt., 5c.; oz., 15c.; per ¼ lb., 35c.; \$1.25 per lb.
Bastian's Half Long Blood. A valuable variety to follow

Bastian's Half Long Blood. A valuable variety to follow Bastian's Extra Early; used extensively for winter use, when it should be sown in July. Pkt., 5c.; oz., Ioc.; 1/4 lb., 35c.; lb., \$1.25.

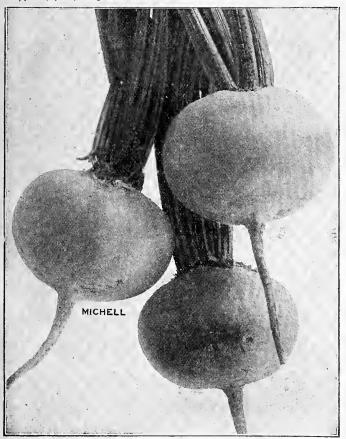
Detroit Dark Red. A desirable type of turnip-shaped beet, very tender, excellent for winter keeping Pkt., 5c.; 15c. per oz.;

per ¼ lb., 5oc.; \$1.75 per lb.

Eclipse. Perfectly smooth and round, skin and flesh intense red. An excellent sort for forcing or for planting in the garden; medium size. Pkt., 5c.; oz., 1oc.; ¼ lb., 35c.; \$1.25 per lb.

Michell's Winter Keeper. (New). Globe shape, rich red, tender

Michell's Winter Keeper. (New). Globe shape, rich red, tender and sweet, one of the best winter varieties. Pkt., Ioc.; 2oc. oz.; 1/4 lb., 7oc.; \$2.50 lb.



Crosby's Egyptian Beet

Michell's Ideal (New). A splendid turnip-shaped variety splendid for early summer use or as a winter keeper. Ioc. pkt.; ½ oz. 15c.; 25c. per oz.; ¼ lb., 85c.; \$3.00 per lb.

Edmand's Blood. A variety for early and late sowing, good flavor, turnip-shaped. Pkt., 5c.; Ioc. per oz.; per ½ lb., 35c.; \$1.25 per lb.

Extra Early Bassano. A flat variety, flesh white and rose

colored, excellent used as a buttered beet. Pkt., 5c.; Ioc. per oz.; per ½ lb., 35c.; \$1.25 per lb.

Lentz Early. Fine for sowing in hotbeds and outdoors early. It is a desirable winter variety also; blood red. Pkt., 5c.; 1oc. per 02.; per ½ lb., 35c.; \$1.25 per lb.

SWISS CHARD or SPINACH BEET

This variety does not produce an edible root; but its top growth, which is silver-leaved, can be separated, the rib and leaf; while the former is cooked and served like asparagus, the latter is prepared like spinach and has altogether a decidedly splendid flavor.

Silver Leaved. Pkt., 5c.; oz., 1oc.; ¼ lb., 35c.; lb., \$1.25.

Giant Lucullus. .Pkt., 5c.; oz., 15c.; ½ lb., 5oc.; lb., \$1.75.



CATTLE BEETS (Mangel Wurzel)

Seed selected from specimen roots

Sow 5 lbs. per acre in April and May in thoroughly plowed well-manured soil, in drills two inches deep, about twenty-four inches apart. Thin out to twelve inches and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for mangel-wurzels. Cultural Leaflet No. 104 gives explicit directions for growing and caring for this crop.

Mammoth Long Red. This is an enormously productive variety, yielding from fifty to seventy tons to the acre, a single root often weighing from twenty to forty pounds. It is the best long red mangel. Per oz., 5c.: 15c. per ½ lb.; lb., 5oc.; 5 lbs., \$2.25 (by express or freight, not prepaid).

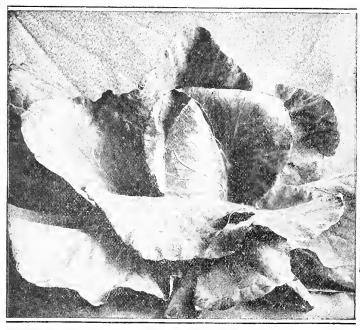
Golden Tankard. The best long yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Per oz., 5c.; 15c. per 1/4 lb.; per lb., 5oc.; 5 lbs., \$2.25 (by express or freight, not prepaid).

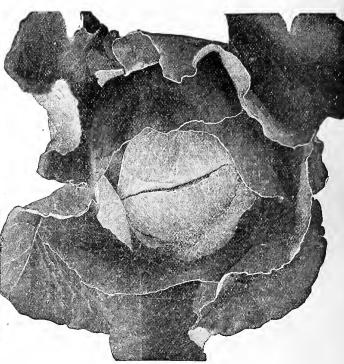
Red Globe. An excellent sort, very prolific, good for late planting. Per oz., 5c.; 15c. per ½ lb.; per lb., 5oc.; 5 lbs., \$2.25 (by express or freight, not prepaid).

Yellow Globe. Contains a large amount of sugar properties, and can be used for replanting quite late. Per oz., 5c.; 15c. per 1/4 lb.; per lb., 5oc.; 5 lbs., \$2.25 (by express or freight, not prepaid).

Improved White Imperial. An improvement on the other varieties of sugar beets, hardier, and containing a greater percentage of sugar. Per oz., 5c.; 15c. per ½ lb.; per lb., 5oc.; 5 lbs., \$2.25 (by express or freight, not prepaid).

Lane's Improved White Sugar. This variety attains an enormous size, growing considerably above the ground, one of the best for stock feeding. Per oz., 5c.; ¼ lb., 15c.; per lb., 5oc.; 5 lbs., \$2.25 (by express or freight, not prepaid).





Michell's Improved Strain Wakefield Cabbage

Michell's Danish Ball Head Cabbage

MICHELL'S CHOICE CABBAGE SEED (Long Island Grown) One ounce will produce about 3000 plants. 4 oz. will produce enough for an acre

Chore pomme—Kopf Kohl—Cavolo Cappuccio

Our strains are the very best to be had, selected from specimen heads in well rogued fields. Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 feet apart, and 12 to 18 inches apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 feet apart and 2 feet in rows. Never plant cabbage in the same location two years in succession. Ask for Cultural Leaflet No. 106, which gives full directions for growing and storing cabbage.

EARLY VARIETIES

Early Jersey Wakefield (Improved Strain). The finest type of early cabbage in existence. A great improvement over the regular strain. It produces uniform pointed heads, and should be sown by every private and market gardener. Pkt., 10c.; ½ 0z., 20c.; 0z., 35c.; \$1.25 per ½ lb.; lb., \$4.00.

Early Jersey Wakefield (Usual Strain). Pkt., 5c.; 15c. ½ oz.; oz., 3oc.; per ¼ lb., 8oc.; \$3.00 per lb.

Large Charleston Wakefield. Similar to the above sort but the heads are more blunt, equally as solid, while it grows almost twice the size, but matures one week later. Pkt., 5c. and 10c.; 30c. per oz.; ¼ lb., \$1.00; \$3.50 per lb.

Early Winnigstadt. Resembles the Early Jersey Wakefield somewhat, but the heads are more pointed and not so early, nor quite so solid. Pkt., 5c.; 15c. ½ oz.; 25c. oz.; ¼ 1b., 8oc.; \$3.00 lb.

All Head. The largest of the early cabbages. The head is roundish flat and remarkably solid, excellent for winter as well as early sgring, it resembles Early Summer. Pkt., 5c. and 10c.; 15c. per ½ oz.; oz., 3oc.; \$1.00 per ¼ lb.; lb., \$3.50.

Copenhagen Market. The earliest round variety in cultivation. The heads frequently weigh as much as 10 lbs. Pkt., 10c; 15c. per ½ oz.; oz., 3oc.; \$1.00 per ½ lb.

Early Flat Dutch. A dwarf-growing type, principally used for early summer. Pkt., 5c.; oz., 2oc.; ¼ lb., 75c; lb., \$2.75.

WINTER VARIETIES

Michell's Improved Danish Ball-Head. This excellent winter cabbage, illustrated above, is unequalled for its keeping qualities, massiveness and weight of heads, when trimmed they weigh by several ounces more than any other variety. For boiling, cold slaw, sour kraut, etc., it is ideal, being crisp, tender and sweet. One of its virtues is that it does well under most any condition of moisture or drought; it seldom, if ever, rots; heads never burst. 10c. pkt.; ½ 0z., 15c.; 30c. oz.; ¼ lb., 80c.; \$3.00 per lb.

SECOND EARLY VARIETIES

Henderson's Early Summer. The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. Pkt., 5c.; 15c. per ½ oz.; oz., 25c.; ¼ lb., 85c.; \$3.00 per lb. Enkhuizen Glory. A fine second early round head variety; very solid with few outer leaves. Pkt., 10c.; 15c. ½ oz.; oz., 30c.; \$1.00 per ¼ lb.; lb., \$3.25.



Early Summer Cabbage

MICHELLS VEGETABLE SEEDS MARKE

CABBAGE—Continued LATE OR WINTER VARIETIES

Late Flat Dutch. (Improved Strain.) This has been selected especially for our trade, the seed being taken from the finest type of heads which were selected for solidity and uniformity. In a row or field of this strain every head appears uniform and its excellence is apparent. There is no better keeping cabbage in existence, being very solid. For sauer kraut it is unsurpassed. Pkt., Ioc.; 20c. per ½ oz.; oz., 35c.; \$1.00 per ¼ lb.; lb., \$3.00.

All Seasons (Vandergaw). A very large head, round and solid. It is valuable for late summer or winter use. Pkt. 5c. (1oc. per large pkt.); 25c. per oz.; 1/4 lb., 85c.; \$3.00 per lb.

Danish Ballhead. For description and price see preceding page.

Late Flat Dutch. A very large flat-headed sort, used extensively as the main winter cabbage crop. Pkt., 5c. (10c. per large pkt.); 15c. ½ 02.; 25c. per 02.; ¼ lb., 75c.; \$2.75 per lb.

Large Late Drumhead. Much like the above except the heads are not quite as large nor as flat, it is short stemmed. Pkt., 5c. (10c. per large pkt.); 20c. per oz.; ¼ lb., 70c.; \$2 50 per lb.

Perfection Drumhead Savoy. A beautifully crimped-leaved sort, color a deep glossy green. The head is almost round. Savoy cabbage is distinctly flavored, being much sweeter than the other kinds. We recommend it highly, being one of the last subbarrance for cimend it highly, being one of the best cabbages grown for either market or home consumption.

Pkt., 5c. (1oc. per large pkt.); oz., 25c.; 75c. per ½ lb.; lb., \$2.50.

Pte-tsai or Chinese Cabbage. This differs entirely in appearance from the Cabbages, being rather like a Cos Lettuce in aspect. The leaves are thick and fleshy and is highly recommended as a winter vegetable. It should be sown in summer for fall and winter vegetable. for fall and winter use. Boiled, minced and seasoned with butter it is as delicate as the best endive; excellent for cole slaw. 10c. pkt.; $\frac{1}{2}$ oz., 15c.; 30c. per oz.; $\frac{1}{4}$ lb., \$1.00.

Red Dutch Drumhead. A red variety, used extensively for pickling. When cooked with a little Port wine and sugar added to it, makes a dish fit for a king. Few people can appreciate it because they have never tried it. For cole slaw it has merits over the white kinds. It is principally used for winter. Pkt., 5c. (10c. per large pkt.); 20c. 0z.; ¼ lb., 75c.; \$2.50 per lb.

Volga. The heads often weigh 12 to 15 lbs. The interior is pure white. The heads are very solid, roundish flat and of a light green color. It is claimed to be almost worm proof. One of the best for early winter use. Pkt., 10c.; 25c. per oz.; 14 1b.; 85c.; \$3.00 per 1b.

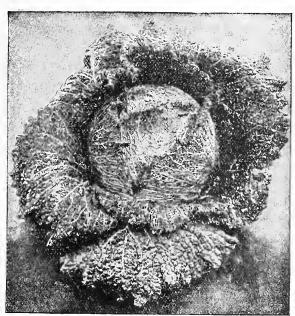


Michell's Selected Snowstorm Cauliflower

CABBAGE PLANTS Ready in season according to variety

Early Sorts From hotbeds. All the leading varieties. Per 100, 50c. (by mail, 65c.); \$4 00 per 1000.

From Cold Frames Transplanted. Per 100, 75c.; \$6.00 per 1000. Late Sorts. Ready July 1st. Per 100, 50c.; \$3.50 per 1000.



Perfection Savoy Cabbage CATNIP HERB (Perennial)

This is used for various medicinal purposes, making tea, etc. As a tonic for cats it is excellent. Pkt., 10c.; 25c. ½ 0z.; 0z., 50c.

CARAWAY HERB (Annual)

The seeds when harvested are used for flavoring bread, producing the famous "German Kümmel Brot." Pkt., 5c.; 10c. per oz.; 1/4 lb., 35c.

CAULIFLOWER
Choufleur-Blumenkohl-Caval Fiore
One ounce of seed will produce about 3000 Plants

Sow seeds in hotbeds or window boxes in February or March and transplant in cold frames until it is safe to plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set in rows 3 feet apart, 2 feet apart in the row. Ask for Cultural Leaflet No. 108.

Michell's Earliest Snowstorm. Colossal heads of purest white, averaging often 10 inches in diameter; especially desirable for its earliness under glass, but does equally well in the late

spring, summer or autumn outdoors. Pkt., 25c.; 5oc. per large pkt.; 1/4 oz., \$1.50; \$2.50 per 1/2 oz.; I oz., \$5.00.

Michell's Special Strain Selected Erfurt. One of the earliest in cultivation, small leaved dwarf, for forcing or open ground; the band is not applied to the Source of the Prince of the Source of the Source

the head is not as large as the Snowstorm sort. Pkt., 20c. and 50c.; 85c. per ½ 0z.; ½ 0z., \$1.50; \$2.75 per 0z.

Early Snowball. A splendid early variety, producing magnificent medium size white heads. Pkt., 20c. and 50c.; 85c. per ½ 0z.; ½ 0z., \$1.50; \$2.75 per 0z.

Danish Giant. An ideal variety for summer use, as it will

stand more drought and heat than most other sorts; the heads

are snow white. Pkt., 20c.; 80c. per ½ 02.; per 02., \$3.00.

Algiers. One of the best late sorts for outdoor planting. Pkt., 10c.; 25c. per ½ 02.; per 02., 75c.

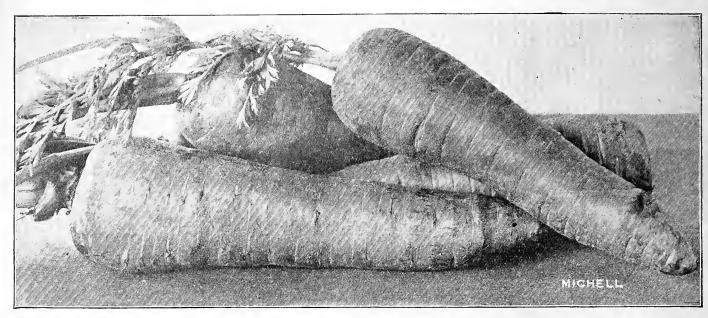
Half Early Paris. Pkt., 10c.; 20c. per ½ 02.; per 02., 65c.

Veitch's Autumn Giant. One of the finest late varieties for outdoor culture, doing especially well in the South. Pkt., Ioc.; 20c. per ¼ oz.; per oz., 65c.

CAULIFLOWER PLANTS

\$1.50

20 MICHELLS VEGETABLE SEEDS MARKET ST.



CARROT CARROTTE—MOHRRÜBEN—CAROTA Improved Long Orange Carrot

(One ounce will sow 100 ft. of drill; 3 to 4 lbs. per acre)

For an early crop sow as soon as danger from frost is over in rows I foot apart, when 2 inches high thin out to stand 2 inches apart in the row. For late crop sow in May or June. The long sorts sow early, the half-long and round sorts can be sown later. For complete cultural directions ask for Leaflet No. 107.

Chantenay Half-Long. Fine orange scarlet color, very productive; especially desirable for market or home use. The flesh is tender, firm and finely grained; 5 inches long, stump-rooted. Pkt., 5c.; 15c. per oz.; per ½ lb., 55c.; \$2.00 per lb. Danvers Half-Long. The best variety for general crop; rich orange color, a very heavy yielder and splendid keeper, a firstclass carrot for all soils, and valuable both for table and stock, 6 to 7 ins. long, stump-rooted. We have an extra fine strain of this favorite sort. Pkt., 5c.; oz., 15c.; 55c. 1/4 lb.; lb., \$2.00. Early Half-Long Scarlet. A very desirable pointed root variety, coming in between the Scarlet Horn and the Long Orange; early, of fine flavor and good color, can be sown in

hotbeds for early use for which purpose it is very good; 5 to 6 inches long. Pkt., 5c.; per oz., 15c.; 55c. ¼ lb.; lb., \$2.00.

Early Scarlet Horn. A favorite early red variety, fine grain and good favor; stump rooted, about 6 inches long, ideal for

soups. Pkt., 5c.; per oz., 15c.; 55c. ¼ lb.; lb., \$2.00.

Guerande or Oxheart. A desirable variety on soils too hard and stiff for the longer growing sorts, as it is not over 3 or 4 inches long. It has a very fine flavor and is well colored a rich orange. Pkt., 5c.; 15c. per oz.; 55c. ¼ lb.; lb., \$2.25.

Chervil

CHERVIL One ounce will sow a row 25 feet long. An aromatic plant used extensively in Europe as a salad seasoner. It adds a flavor that is entirely its own. salad seasoner. When chopped fine and scattered on buttered potatoes it is a rare treat. American gardeners should become familiar with this, as they are missing one of the best things that grow. Sow it in a row like parsley, which it somewhat resembles. For a continuous crop, sow every two weeks, if one has heated frames or a greenhouse, it can be cut 4 or 5 weeks after sowing. **Double Curled.** Pkt., 5c.; oz.

15c.; 1/4 lb., 6oc.; \$2.00 per lb.

PRICES of SEED on this PAGE are POSTPAID

Improved Long Orange (Michell's Special Strain). orange color, to inches long, good flavor, yields heavily; is of excellent table quality, and is also the best for stock feeding; point rooted. Pkt., 5c.; oz., 15c.; ¼ lb., 5oc.; \$1,75 per lb, Red Surrey. Very long, similar to Long Orange, Pkt., 5c., 15c. oz.; ¼ lb., 5oc.; \$1,75 per lb. Rubicon Half-Long. The best in shape, and its deep red orange colored flesh is of finest quality; point rooted. It is

orange-colored flesh is of finest quality; point rooted. It is earlier than the Danvers and about the same length; extremely well adapted for early forcing and for growing outside. Pkt., 5c.; 15c. per oz.; ¼ lb., 55c.; \$2.00 per lb.

St. Valery. Half-Long, pointed root; excellent variety. Pkt.,

5c.; 15c. oz.; ¼ lb., 5oc.; \$1.75 lb,

Very Early Short Horn Scarlet or French Forcing. An early forcing variety; small round root, not much larger than a radish. For stewing alone or when served with new peas, it is a rare delicacy hard to imagine unless you have eaten thereof. It may be sown outdoors as well as under glass. Pkt., 5c.; 2oc, per oz.; ¼ lb., 7oc.; \$2.50 lb.

White Belgian. Used principally for stock, not being desir-

able for table, produces a long thick white root. It is also used for soiling or turning under; being a valuable humus maker. It is about 8 to 10 inches long with a green top. Pkt., 5c.;

A Clump of Chives and must be sown every season.

10c. per oz.; per 1/4 lb., 30c.; \$1.00 per lb. CHIVES (Schnittlauch)

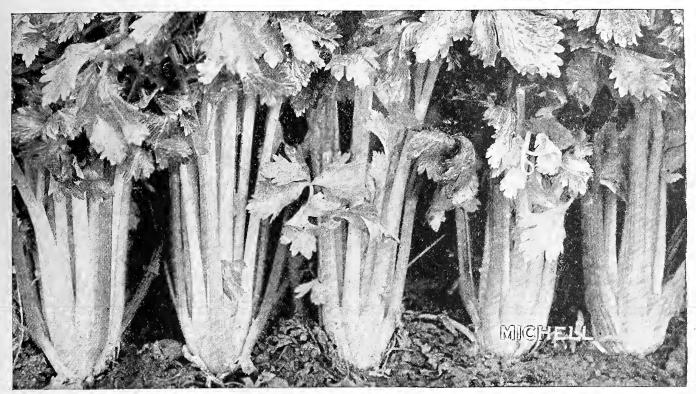
This popular kitchen gar-den plant is indispensable for flavoring certain dishes, it imparts a mild onion taste, not, however, to such an extent as to render it objectionable. The plants are hardy and will last for years; don't cut the plant too close when gathering. If desired for winter use, lift and plant in a pot or box and place in a sunny

window in the kitchen.
Seed. Pkt., 15c.; 2 for 25c.
Strong Plants. 15c. each;

doz., \$1,20; \$8,00 per 100. CORIANDER (HERB)

The harvested seed is used for flavoring confectionery, liquors, etc. It is an annual. Pkt., 5c.; oz., 15c,; lb., 5oc,





CELERY CHOICE (Celeri-Sellerie-Sedano)

One ounce of Seed will produce 3000 to 5000 plants; Half pound sufficient for one acre-

Sow in hotbeds in March or in open ground in April. See that no weeds infest the seed bed; when 3 inches high transplant in a bed outdoors in rows 3 inches apart each way, let them remain there until July, when they should be planted where they are to mature; in rows 3 feet apart, 6 inches apart in the row. Cultural Leaflet No. 109 covers celery growing fully.

EARLY VARIETIES (For Thanksgiving and Christmas Use)

White Plume (Michell's Private Stock). The standard early celery for market and the home garden. The stalks and heart, which blanch very quickly to almost a pure white, are very crisp and brittle. It can be used early in November and is of the finest quality. This strain of seed is a selection of the finest and best specimens, and will be found now approximation consequence. found very superior in every way. Pkt., 10c.; 20c. per 1/2 oz.; oz., 35c; \$1.00 per 1/4 lb. White Plume (Regular Strain). Pkt, 10c.; 15c. per 1/2 oz; oz,

25c.; 75c. per ¼ lb. Early Snowdrift. An improved White Plume self-blancher, with a splendid nutty flavor, the heart is very full; a single plant producing a good quantity; matures for Thanksgiv-

ing Day. Pkt., 10c; ½ oz., 20c.; oz., 35c.; \$1.25 per ½ lb.

Golden Self Blanching (French Grown Seed). One of the earliest and most productive sorts. The beautiful golden-colored stalks attain a height of 18 inches, which are never pithy, of excellent flavor, ready in October but may be kept for early winter use. The French strain is much superior to American-grown seed, Pkt., 15c.; 85c. per ½ oz.; oz., \$1.50; \$5,00 per 1/4 lb,

Golden Self Blanching. (American Grown Seed). Pkt., 10c.; 20c per ½ oz.; oz., 40c.; \$1.50 per ¼ lb.

Dwarf Golden Heart. This variety comes in for use at Christmas, and keeps well into the spring. The stalk is short, stocky and very nutty. The heart or inner stalks are a rich golden yellow. An ideal home garden variety. Pkt, 5c.; roc. per large pkt; oz., 20c.; 6oc. per ¼ lb.

Pink Plume. A very solid, crisp, desirable sort; the stalks

when blanched are a beautiful rose-pink. On the table it is quite an attraction and should be grown more extensively. It is very early and requires very little artificial blanching. Pkt, 10c.; 15c per ½ oz.; oz., 25c.; 75c. ¼ lb.

LATE WINTER VARIETIES

Far Superior (Michell's). It produces gigantic stalks, and a large, full heart, the flavor is ideal and all that could be desired. It improves with the advance of winter, and is a variety with very little waste, comes into condition for use about January. Pkt., 10c.; ½ oz., 15c.; oz., 30c.; ¼ lb., 85c.

Giant Pascal. It is in its prime for use during February and

March, and can be used well up into spring. Pkt., 5c (10c per large pkt.); ½ oz., 15c.; 25c per oz.; ¼ lb., 75c. Winter King. Perfectly solid, crisp and of a delicious flavor. Blanches well and will keep longer than any other variety. Pkt., 10c.; 20c. ½ oz.; 35c. oz.; \$1.25 ¼ lb.

Winter Queen. A medium tall, solid variety, will retain its qualities long through the winter. The heart is very full and large. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; \$1.00 ¼ lb. New York (New). The earliest Celery in cultivation. Very

large and solid and of excellent qualities. Self blanching Pkt., 10c.; 20c. per ½ oz.: oz., 40c.; \$1,25 per ¼ lb.

New Columbia. A new variety of great merit, a medium tall sort, producing a large heavy stalk; has splendid keeping qualities. Pkt., 10c.; ½ oz., 25c.; oz., 50c.; \$1.75 per ½ lb. CELERIAC Turnip Rooted

This German vegetable is used for two purposes, the leaves are cut when young and used to flavor soups and meats. The roots are boiled, sliced, cooled, and served as a salad.

Giant Prague. Pkt., 5c. and 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c. CELERY PLANTS (Ready in July)

Extra selected transplanted stock, leading sorts. (See page 46.) 50c. per 100; 500 for \$2.25; \$4.00 per 1000. CELERY FOR FLAVORING

Not for sowing 10c. per 1/4 lb.; lb., 30c.

THE BALL CELERY BLEACHER

Just the thing for the home garden, its use assures crisp, clean early celery, See details on page 45.



Off to market with a load of Michell's Improved Strain Stowell's Evergreen Corn

Sweet or Sugar Corn One quart will plant 200 hills; 8 to 20 quarts per acre.

SPECIAL NOTE. Sugar Corn is unusually short in supply due to the unfavorable weather during the growing season, and early frosts at ripening time. ORDER YOUR SUPPLY EARLY. PRICE is subject to revision, depending upon the supply.

Large Packets of all Varieties, 10 cents, postpaid

Plant once a week from the moment the ground is permanently warm until July 15th, drop from 6 to 8 grains in hills three feet apart each way, or in rows three feet apart; if the latter, thin out so the plants stand 12 inches apart; if left in hills, thin out when 4 inches high to 3 or 4 strong plants to the hill. Directions for successful corn growing is covered in Cultural Leaflet No. 110, free for the asking.

EARLY VARIETIES

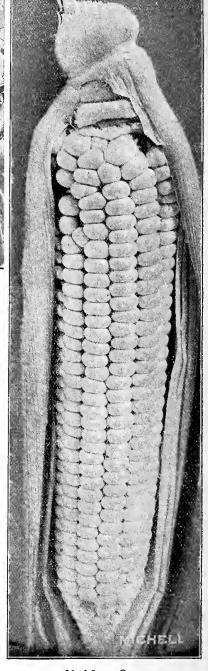
Early Champion. Large ears, well shaped and exceedingly sweet. Pt., 30c.; 60c. qt. Golden Bantam. While yellow in color, this is the sweetest and earliest corn in existence, if once planted it will be a sure favorite. The ears are medium size, tender and delicious. The plant is of dwarf growth, we recommend it very highly for the home garden. Pt., 20c.; 40c. qt.

Early Giant Wonder. An extremely good sort, producing larger ears than any early type of true sugar corn, of which it is one of the earliest. Pt. 25c.; 5oc. qt.

Ideal. The grower of this variety has been carefully selecting it for the past fifteen years. Exceedingly early and large yielder. It is not quite as sweet as some other varieties, it is though, nevertheless, well flavored and its extra early feature outweighs all other points against it. It comes in sooner than other white-kernel varieties. 25c. per pt.; 50c. per qt.

Kendel's Early Giant. Large ears, large deep grain, well flavored and extra sweet. The ears are very cylindrical. An ideal sort for the first and last planting. Pt., 20c.; 40c. per qt.

Howling Mob. Although an extra early variety, the ears are much larger than any of the other early sorts, while the grains are much whiter and sweeter. A splendid sort for the market gardener as well as for home use. Pt., 25c.; 50c. qt.



Ideal Sugar Corn

MICHELL'S SELECTED SUGAR CORN-Continued

Large Packets of all Varieties, 10 cents postpaid

EARLY VARIETIES—Continued

Crosby's Extra Early. An old favorite sort. Ears small, grain exceedingly sweet, heavy producer. 35c. per pt.; per qt., 65c.

Early Evergreen. This variety is closely allied to Stowell's in shape, flavor and style, but is much earlier. 30c. pt.; qt.,

Early Mammoth. The ears and fodder both attain gigantic proportions. The former, besides being large, are handsome in appearance and exceedingly sweet. Matures just after

the extra early types. 3oc. per pt.; per qt., 6oc.

Golden Rod. This is an improvement on the famous Golden Bantam. Ears are somewhat larger, but it matures a few days later. In color it is not quite as golden yellow, as the former, but lighter. It is exceptionally sweet. A variety that will give great satisfaction in the home garden. 30c. per pt.; per qt., 6oc.

Metropolitan. One of the largest of the early sorts, maturing sooner than most of the real Sweet Corns. It is evenly grained and may be depended upon for exceptional results. Per pt.,

30c.; 60c. per qt.

Long Island Beauty. A very fine, large, early sort, with

delicious flavor. Per pt., 30c.; 60c. qt.

Stabler's Extra Early. This is the standard sort for the home garden. The large ear is well arrayed with even grains which cook pure white and are very tender. 30c. pt.; qt., 60c.

MEDIUM AND LATE VARIETIES

Black Mexican. A medium late variety, reputed to be without exception the sweetest corn grown; while the grains are young they cook white, as the ear becomes older it cooks a violet shade on the outside, but in either stage of growth it is desirable. The ears are medium sized and are produced abundantly. Pt., 3oc.; qt., 6oc.

Country Gentleman (Michell's Improved Strain). A distinct sort, with deep, fine grains which are staged irregularly on the cob. In sweetness it is unapproached and for this reason it should recommend itself to every planter. The ears are large and borne on stalks about 6 feet high, a very productive variety and desirable for either home or market use. Our Improved Strain is a careful selection of the finest type and will give unusual satisfaction. Pt., 35c.; 65c. qt.

Country Gentleman (Usual Strain). 30c. pt.; qt., 60c.

Eastwick. This corn, until some seed stock had been given to us, had been in the hands of one family for a period of many years. Through experiments, we conducted, we are convinced, that it cannot be surpassed by any for sweetness. We have succeeded in working up a limited stock of it, which we offered last season for the first time. It is a tall growing sort, matures at the same time as Shoe Peg (but is much sweeter). An important characteristic of it is, that in eating it, the kernel or flesh of the grain comes out of the hull easily and the latter remains on the ear. This means that you do not have to pick your teeth after you eat Eastwick Sugar Corn. 3oc. per pt.; per qt., 6oc.

Late Mammoth. Gigantic ears, of extra fine quality, produced in quantity. This is the latest maturing and largest of all sweet corns. The stalks frequently are 8 and 9 feet

high. Pt., 35c.; qt., 65c.

TESTIMONIAL ON MICHELL'S SUGAR CORN

Brigantine, N. I.

The seeds purchased from you last season were O. K., and although the season was very dry, the vegetables were Your Improved strain of Stowell's Evergreen Corn fine. was simply great. MORRIS SMITH.

MEDIUM AND LATE VARIETIES (Continued)

Little Gem or Shoe Peg (Ne Plus Ultra). This variety is closely allied to Country Gentleman in every characteristic.

Pt., 3oc.; per qt., 6oc.

The name hardly describes this sort. Michell's Delicious. Some twenty years ago it was selected by an old Philadelphia gardener who bred it until he had it perfect, ever since we acquired control thereof we have placed it with our best sugar corn grower in New England with instructions to grow it for us exclusively and keep reselecting it. The ears are well filled, medium in size and mature after the early varieties. Pt., 3oc.; 6oc. per qt.

Stowell's Evergreen (Michell's Improved Strain). The best late corn grown. The ears are extra large, produced in great abundance, stalks often grow to a height of 7 feet, in sweetness it is unexcelled and for this reason it is the great favorite of the market and home gardener. Our strain has been reselected and represents not only a superior quality but a most distinct advance in this splendid variety. Pt., 35c.; 65c. per qt. Stowell's Evergreen (Usual Strain). Pt., 30c.; 60c. per qt.

SUGAR CORN ON EARS

Large selected specimens of Crosby's, Country Gentleman, Stowell's Evergreen, Late Mammoth, Kendel's and Stabler's. 15c. each; per doz., \$1.50; \$12.00 per 100.



POP CORN

There is hardly a home in this vast country where the popping considered pastime du dreary eveni When pop the popping of corn is not an excellent pastime during the long dreary evenings of winter. When popped, buttered and sugared it is not only delicious but healthtul.
Not all pop corn is in the right condition for popping. What we offer, how-

ever, can be relied upon for planting and popping. Queen's Golden (Ears). (Pops white.) Lb., 15c.; 2 lbs., 25c.; 10 lbs., \$1.00.

White Rice (Ears). Lb., 15c.; 2 lbs., 25c.; 10 lbs., \$1.00. White Rice (Shelled). Lb., 20c.; 35c. for 2 lbs.

CORN POPPERS

Made of best quality wire. Price includes handle and lid. I qt. size, 20c.; 2 qt. size, 30c.

CHOICE FIELD CORN FOR SEED

We are headquarters for the leading varieties, which we have had grown on contract especially for us. See page 61.



WATER CRESS

This desirable cress may be sown early in spring near the brink of a pond or piece of running water. Just scatter the seed and it will sprout and grow with wondrous rapidity: once established it remains for years, it seeding itself.

True Erfurt. Pkt., Ioc.; 2oc. per 1/2 oz.; oz., 3oc.; \$1.00 per 1/4 lb.

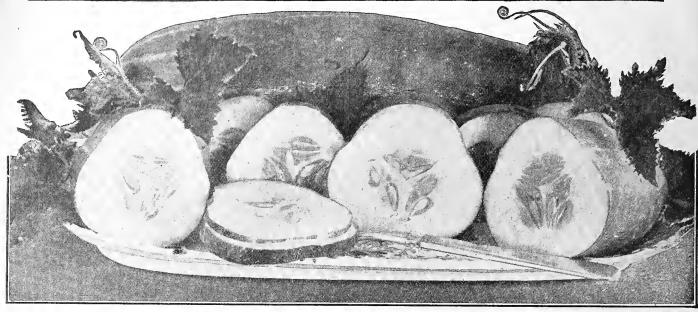
Water Cress

GARDEN CRESS

Sow thickly in early spring in drills one foot apart, and follow every two weeks, up to August 1st, with a new sowing, as it quickly runs to seed. Its very desirable pungent taste is acceptable to most any one who is fond of garden greens. It is eaten as gathered prepared with either a little salt and vinegar, or without; makes a very tasty salad.

Extra Curled or Pepper Grass. Pkt., 5c.; 1oc. per oz.; 1/4 lb.,

20c.; 50c. per 1b.



Michell's Arlington White Spined Cucumber

CUCUMBER

Concombre—Gurken Citrioli

One ounce of seed will plant 60 hills; 2 to 3 pounds per acre.

Plant when the ground has become thoroughly warmed in hills, Plant when the ground has become thoroughly warmed in hills, 4 feet apart each way, 8 seeds in a hill, when the second set of leaves have formed thin out to 4 plants. A type of beetle attacks this crop occasionally, which can be conquered by spraying the vines with Pyrox or Arsenate of Lead, when this is used always wash the fruits thoroughly before using. Culture of Cucumbers is fully covered in Leaflet No. III, ask for a free copy.

Michell's Arlington Improved White Spined. This cucumber is conceded to be absolutely perfect in form, color, size and productiveness and is therefore the leading sort for not only productiveness and is, therefore, the leading sort for not only the home or market garden, but also with those who make a specialty of growing them under glass. The fruit is smooth, deep green to the tip and measures uniformly 8 inches in length. It has few seeds, making it a valuable variety for

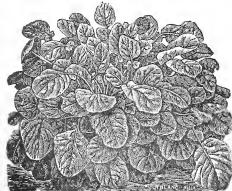
slicing or pickling. A splendid keeper, retaining its color remarkably; the seed we offer is an extra selection. Pkt. 10c., 15c. per 0z.; 40c. per 1/4 lb.; lb., \$1.30.

Improved White Spined. A popular strain of the above, producing fine quality. ducing fine quality. Pkt. 5c., 1oc. oz., 1/4 lb. 3oc., \$1.00 lb.

Davis' Perfect. This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniform in shape and size, measuring 10 to 12 inches on the average. Its color is dark green all over and it is quite smooth and productive. Pkt. 5c. (Ioc. large pkt.), 15c. oz., ¼ lb. 35c., \$1.20 lb. Emerald. A dark green early sort, very smooth and prolific, it grows very straight, measuring on the average 8 inches. It is

not as thick as some sorts, thus making it valuable for slicing. Pkt., 5c.; oz., 10c.; 35c. 1/4 lb.; lb., \$1.00.





This is principally sown for a supply of greens during winter and early spring months. Sow in September broadcast; when cold weather approaches, cover it with a litter of leaves or long manure; and upon approach of spring the covering can be taken off entirely. It can be gathered on mild days during winter.

Large Leaved, Round Seeded. Pkt. 5c., 10c. per oz., ¼ lb. 30c., 85c. per 1b.

Cool and Crisp. An improvement on the White Spined variety, being somewhat longer, earlier and continuing to bear for a longer while than most sorts. The ends are uniformly tapered, the fruits are dark green and free from spines.

Pkt. 5c., 10c. per oz., 1/4 lb. 30c., \$1.00 per lb. Long Green Turkey. This is one of the largest cucumbers grown, used principally for slicing. Its dark color makes it desirable for market. The vines are very vigorous and productive, the fruits are formed almost as early as the short sorts; they are firm, crisp and have a fine flavor. Pkt., 5c.; 10c. per oz.; 1/4 lb., 30c.;

Evergreen. The name is derived from the feature of its dark green color-retaining qualities, a thick fruit measuring about 8 to 9 inches long, Pkt. 5c., 10c. per oz., ¼ lb. 30c., \$1.00 per lb. Jersey Pickle or Green Prolific. This sort can

be used for slicing, but is best for pickling on account of its size, which averages 5 inches; makes ideal "Dill Pickles" as sold extensively in the delicatessen stores. Pkt. 5c., 1oc. per oz., 1/4 lb. 30c., \$1.00 per lb.

Japanese Climbing. A trellis variety used for

shade as well as eating purposes. The vine is very ornamental, producing extra long light green fruits in abundance. Pkt. 5c. (10c. per large pkt.); 15c. 0z.; ¼ lb., 40c.; \$1.40 lb. Gherkin or Burr Cucumber. For pickling only,

the small fruits are roundish long, about 2 inches, very prickly when green. Pkt. 5c. (10c. per large pkt.); per oz., 15c.; 45c. per 1/4 lb.

ENGLISH CUCUMBERS

These are ideal for growing outdoors as well "Lockie's Perfection" as under glass. They produce enormous fruits, Average length. 24 inches generally 18 to 24 inches long and 2 inches inches generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them.

Lockie's Perfection, Sion House, Telegraph, Tender and True. Each per packet of 12 seeds 25c., \$2.00 per 100 seeds.

ILL HERB (Annual)

Used extensively for culinary use and for putting with cucumbers when pickling, producing the famous German "Dill Gurken." Pkt., 5c.; 10c. oz.; 1/4 lb., 30c.



MICHELLS VEGETABLE SEEDS







"Witloof"

CHICORY

Witloof. This grows in a solid oblong head and blanches ivory When lifting, cut whole white. head with part of the roots to hold the leaves together. It is the choicest of all the winter salads and is used to such an extent in this country that much of it is imported. Pkt. 5c. (large pkt., ioc.); 13c. per oz.; ¼ lb., 45c.; \$1.50 per lb.

Witloof Chicory Roots, for Forcing. ioc. each; doz., \$1.00;

\$7.00 per 100.

Large Rooted or Common. This variety is cultivated principally for the roots, which when ma-tured are dried and ground. It is a substitute for coffee and is used sometimes for flavoring the latter. The roots can be boiled, prepared and served like salsify. Pkt., 5c.; 10c. per oz; 1/4 lb., 30c.; \$1.00 per lb. Ask for Special Cultural Leaflet

No. 131, covering Chicory growing.

GARDEN BASKETS (Oak)

The English Gathering Basket, known as No. 1, will be found especially convenient for gathering Asparagus, Lettuce, Cauli-

flower, cut flowers, etc. Even in a small home garden there is a need for one of these baskets.



ENGLISH GATHERING BASKET No. 1

Very convenient for carrying berry boxes, asparagus and other vegetables; made of oak; 12 in. wide, 23 in. long, 4 in. deep. Price, 75c.; \$8.50 dozen.

DROP HANDLE OAK

BASKET No. 3

1/2 Bushel capacity, with a thor-

oughly reinforced bottom,



STIFF HANDLED

BASKET No. 2

OAK BASKET WITHOUT HANDLE No. 4

This pattern is on the market a long while and is preferred by many. Has liberal hand grips and is closely woven. I Bush. size, 75c. each; dozen, \$8.50. ½ Bush. size, 50c. each; dozen, \$5.00.



These inexpensive baskets are suitable for shipping fruit and vegetables from the garden to the summer home.

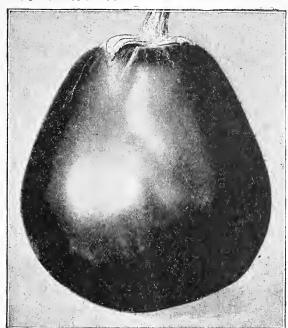
With Handle Without Handle With Handle Without Handle doz. \$0.60 3/4 bu...doz. \$1.20 ¹/₄ bu . . . doz. \$0.65 doz. \$1.00 .65 ı bu... 1/2 bu ... 1.50

DANDELION (Pissenlit-Loewenzahn-Amargon)

While this name applies to one of the most obnoxious weeds, this variety is a valuable vegetable, grown in quantities for the New England markets, where it is prized as the first spring greens. The leaves, which are very fleshy, are boiled and served hot or cold; not alone is it appetizing but very healthy and highly recommended by physicians. Seed should be sown in spring thickly in a bed in the gradual where the cleans at the clean and the contract the clean at t spring thickly in a bed in the garden, where the plants should remain for the season, late in the fall cover the bed with a movable sash or leaves or salt hay for protection. To be real tender it must be used very early in the spring, after which the bed should be destroyed, unless it is desired to make wine from the flowers. A new bed should be made each season.

Thick Leaved or Cabbaging. Pkt., 5c. and 10c.; ½ 0z., 25c.;

per oz., 5oc.; \$1.75 per 1/4 lb.



Black Beauty Egg Plant

EGG PLANT (Aubergine-Eierpflanze-Berengere) One Ounce will produce about 2000 plants

Sow seed in March in hotbeds and when three inches high transplant into small pots or otherwise. Plant outdoors in May or June, or after the weather has become permanently warm. The rows should be 3 feet apart and the plants set 2 feet apart in the row. Ask for Cultural Leaflet No. 112, covering Egg Plant growing,

SELECTED NEW JERSEY GROWN SEED

Black Beauty. An extra early large variety, almost black in color, very prolific and with few seeds. Pkt. 10c.; 30c. 1/2 oz.;

oz., 6oc.; \$2.00 per ¼ lb. Michell's New York Improved. an old standard, quite large and more elongated than the Black Beauty, with a rich purple color. Pkt., 10c.; 25c. per ½ oz.; oz., 5oc.; \$1.75 per ¼ lb. Black Pekin. An extra early, small, black variety. Pkt., 10c.; 20c. per ½ oz.; per oz., 40c.; \$1.25 per ¼ lb.

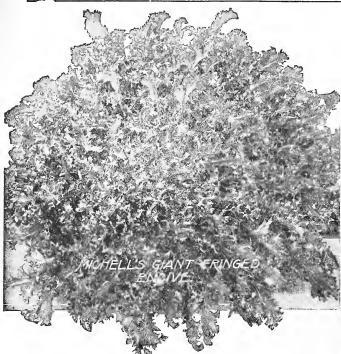
EGG PLANT PLANTS (Ready May 15th). Pot-grown. New York Improved, Black Beauty. Produced at our Per doz., 65c.; \$5.00 per 100. own nurseries.

Copy of Testimonial

Hamlet, N. C.

I would like to get in my order for 2 dozen Pot-grown Egg lants. Your Seeds and Plants are the finest I have ever Plants. had, and the seed potatoes were great.

MRS. O. L. CLOUD.



ENDIVE (Sometimes called Chicory) One ounce will sow a row 200 feet long

Sow from June to August in shallow drills and when 2 inches high thin out so the plants stand 10 inches apart. When fairly well developed tie the plants together at the top with Raffia, but do this at a time when the leaves are dry, this is called the blanching process. If the plants are protected they may be left outdoors till Christmas. If wanted for later use they must be lifted late in the autumn, placed in a dry cool cellar, covering the roots with soil. If handled thus it may be had well into spring, and makes an excellent salad.

Broad=Leaved Batavian (Escarolle). Leaves broad, light green, nearly plain. Pkt. 5c. (large pkt. 10c.), 15c. per oz., per 1/4 lb. 45c.; \$1.50 per 1b.

Giant Fringed (Oyster Endive). A strong growing variety with a large white heart and broad leaves, the heads frequently measure 15 inches in diameter. Pkt. 5c. (large pkt. 10c.), 25c. per oz., per 1/4 lb. 75c., \$2.50 per lb.

Improved Green Curled. An improvement on the old Green

Curled variety, producing a larger head and more leaves. Pkt. 5c. (large pkt., 10c.); 15c. oz.; ¼ lb., 45c.; \$1.50 per lb. White Curled (self-blanching). This is the finest White Curled variety, grows to a large size, always crisp and very tender. Pkt., 5c. (large pkt., 10c.); 15c. oz.; 1/4 lb., 45c.; lb., \$1.50.

FENNEL HERB (Annual)

An aromatic plant used for flavoring and in cooking, also for tea for children. Pkt. 5c., 15c. per oz., ¼ lb. 35c., \$1.25 per lb.

GARLIC SETS (Knoblauch)

A hardy flavoring onion, used extensively in the French method of cooking. This variety should not be compared with the common field sort, as this produces large bulb. Plant and harvest the same as onions. 35c. per lb., \$1.50 for 5 lbs.

Besides being used in culinary and medicinal ways, this makes a valuable shade plant, placed on arbors, trellis, etc. It is hardy and rarely winter-kills. The hops are gathered about September and stored for use on a dry floor or hung in bags.

Seeds. Pkt. 10c., 30c. per oz.

Pot Grown Plants. 15c. each; doz., \$1.25; \$7.00 per 100.

HOREHOUND HERB (Annual)

Used for various medicinal purposes and for flavoring. Pkt. **5c.** (large pkt., 10c.); 15c. ½ oz.; oz., 25c.

HORSE RADISH ROOTS

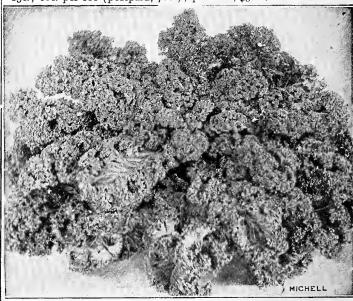
(Ready in March)

Horseradish is used in most every household during the fall and winter months when the fresh product is ready. Set the roots in spring in rows six inches apart, about the same distance in the row. No cultivating of any amount is required. Late in the fall lift as many roots as you think you will use during the winter, cut off the top, place them in a cool cellar covered with soil or sand, and grate as wanted. A bed once planted remains for years.

Maliner Kren (Bohemian). Quick-growing variety, now the very best horse radish grown. Large, strong cuttings 25c. per doz., per 100 \$1.00 (postpaid \$1.10), \$7.50 per 1000.

Regular Varlety. Doz., 15c.; 6oc. per 100 (postpaid, 7oc.); per 1000, \$5.00.





Dwarf Curled Scotch Kale

KALE OR BORECOLE (One ounce will sow a drill 150) ft. long; 3 lbs. will sow an acre)

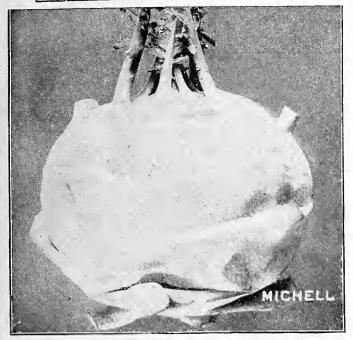
For early use it may be sown in May; when desired for winter use sow in September broadcast or in rows 2 ft. apart. Cover for protection against severe freezing and snow. Do not handle

while in a frozen condition, one of the finest nutritious greens.

Dwarf German Green Curled. This variety is very compact growing, rarely attaining a height over six inches. The color is dark green, very curly. 5c. pkt.; 1oc. oz.; 3oc. 1/4 lb.; \$1.00 lb.

Dwarf Green Scotch. A very good variety, quite an improvement on the Dwarf German type. It is more prolific, holds its color better and is more densely curled; fine for winter use. Pkt., 5c.; 1oc. per oz.; ¼ lb., 3oc.; \$1.00 per lb.

Imperial Long Standing. The leaves are very crimpy and of a dark green color. It stands quite tall, and is an excellent producer. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt., 5c.; 10c. per oz.; 1/4 lb. 30c.; \$1.00 per lb.



Earliest White Erfurt Kohl Rabi

KOHL RABI (One onnce will sow)

It is regrettable that this splendid vegetable is not more widely used, we would suggest that those who read these lines give it a trial and if pleased with it, recommend it to their friends. Sow seeds in early spring in hotbeds or outdoors and transplant when 3 inches high in rows 18 inches apart, 6 inches in the row. The edible part is the turnip which grows above the ground, this should be used when it attains a size of 21/2 inches in diameter or less, at this stage it is extremely tender and delicious, while if it is larger it is woody. Prepared and served like turnips, except that a few of the bottom leaves can be cooked with the root. If they get old before they are used, feed to the cows, they relish them;

and it gives the milk a fine flavor.

Blue or Purple Vienna. The flesh is white, with a bluish skin. Principally used for outdoor sowing. Pkt. 5c. and

ioc.; 25c. per oz.; 9oc. per ¼ lb. Early White Vienna. This variety is suited for sowing under glass and for outdoors. The top is very short, thus allowing all the development to go to the root, insuring an early maturity. Very finely grained and of excellent quality. Pkt. 5c. and 10c., 15c. per ½ 0z., 0z. 25c., 90c. per ½ lb.

Earliest White Erfurt. A very small rooted sort; fine for forcing; exceedingly tender and sweet. Pkt. 10c., 15c. per ½ oz., oz. 30c., ¼ lb. \$1.00.

LAVENDER HERB (Perennial.)

This aromatic herb is grown largely for its flowers, which are very highly scented, cut and dried it is spread among linen and clothing to which it imparts an agreeable perfume. It also has the tendency of keeping away moths. Cultural directions are given in Leaflet No. 113. Pkt. 5c.; 15c. per ½ oz.; oz. 25c. Lavender Plants. 20c. each; doz., \$2.00;

\$12.00 per 100.

MINT

Our stocks are the true varieties used for making mint sauce and juleps, also in many other ways. The plants are hardy and when once established remain for years.

Seeds of Peppermint. 25c. per packet. Plants of either Spearmint or Peppermint. 15c. each; doz.,

\$1.20; \$7.00 per 100. MUSTARD

One ounce will sow a row 75 feet long. Another one of the things the average person who gardens knows nothing of except in a prepared state as a condiment. It makes a delicious green salad, pungent in taste, highly palatable and healthy. It should be sown every two weeks in a row the same as spinach, for a continuous supply, beginning in April. It must be used while



A Mustard Plant

young, as only then is it tender and mild. Fine winter greens if sown in a heated frame or greenhouse, also fine if served with lettuce salad for flavoring. The seed can be harvested if the plant is allowed to stand and used for other culinary purposes. White or Yellow. Pkt., 5c.; Ioc. per oz.; 1/4 lb., 2oc.; 6oc. per lb.

MARTYNIA (Unicorn Plant)

A bushy plant growing two feet in height, bearing clusters of pink flowers resembling gloxinias, which afterwards turn to long green pods, which when picked are preserved the same as cucumbers, making a very tasty relish. Sow seeds in April outdoors and transplant so they stand 2 feet apart each way.

Proboscidea. Pkt. 5c. (large pkt. 10c.), 15c. ½ oz., oz. 25c., 75c. per ¼ lb.

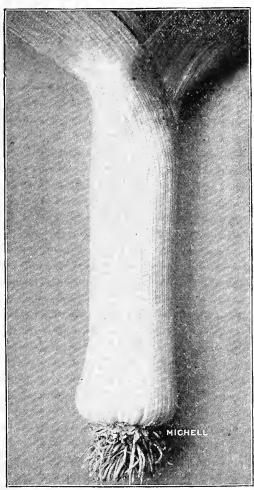
LEEK (One Ounce of Seed will)

Allied to the onion family but producing no bulb, the stalks are cut and used for flavoring soups, also they are boiled and served with melted butter, and make a very palatable dish on account of their mild flavor. Sow seeds in April in rows I foot apart, covering the seed about an inch, when about 4 inches high transplant where it is to develop in rich soil in rows 18 inches apart, 6 inches in the row. When fully grown, hill soil against them to blanch them, about Nov. 1st take up the plants and store them in a cool cellar, placing the root end in soil 3 or 4 inches, thus a supply may be had all winter.

Giant Carentan. A variety which produces colossal stalks of tender quality, splendid for exhibition purposes. Pkt. 5c.; large pkt., 10c.; oz., 20c.: 60c. per 1/4 lb.; lb., \$2.00.

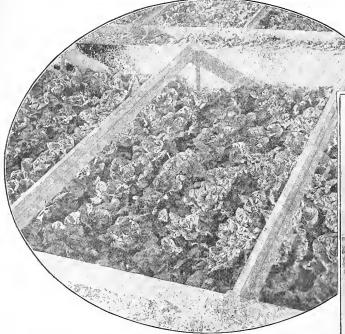
Large Musselburg. Of enormous size, mild flavor and tender. Pkt. 5c. (large pkt. 10c.), 20c. per oz., 1/4 lb. 50c. \$1.60 per 1b.

London Flag. Popular for the home garden, makes a longer but narrower stalk than others. Pkt. 5c. (Ioc. per large pkt.), oz. 20c., 50c. per 1/4 lb.,



Giant Carentan Leek

MICHELL'S "ALL RIGHT" LETTUCE (See Cut) "First in Spring—Last in Fall."



LETTUCE

One ounce of Seed will produce 2500 Plants

Our Leaflet No. 115 covers the growing of it outdoors and under glass; ask for a copy with your order or otherwise.

HEADING VARIETIES (Kopf Salat)

Michell's All-Right. This is not a variety for forcing, but rather for an early spring crop in the hotbed or outdoors; and for sowing in August for late autumn under sash or outside; where it is not affected by cold, which with some sorts turns them brown. On the other hand, this variety retains a rich green color. The heads are very large, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. Don't use this variety for a summer crop. Pkt. Ioc., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb., lb. \$2.50.

Michell's Number One. This lettuce is a positive header un-

der most trying conditions. It is tender, of a decided buttery flavor, and immensely large. A valuable type for hot weather; also desirable for autumn use. This commands twice the price of other sorts, should not be used for forcing. Pkt. 10c., 15c. per ½ 0z., per 0z. 30c., \$1.00 per ½ 1b., per. lb. \$3.00.

Toc., 15c. per ½ oz., per oz. 3oc., \$1.00 per ¼ lb., per lb. \$3.00. Michell's Spotted Dutch Butter (Private Stock). A medium sized head, light green leaves with a delicate yellow heart. The outer leaves are tinged with brown on the edges, hence the word spotted being applied. This desirable sort is suitable for forcing as well as sowing outdoors in summer. Pkt. 1oc., 15c. per ½ oz., oz. 3oc., \$1.00 per ½ lb., lb. \$2.50.

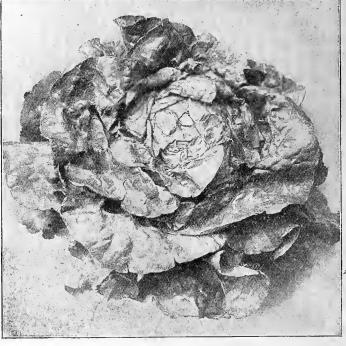
Spotted Dutch Butter Lettuce (Usual Strain). Pkt. 5c. (10c. per large pkt.), 20c. per oz., ½ lb. 50., \$1.50 per lb.

May King. The first solid head lettuce to mature outdoors,

May King. The first solid head lettuce to mature outdoors, hence its name; it is of good size with a very tender full heart. Suitable for sowing under sash in the early spring; the outside leaves are tinged a golden brown. Pkt. 5c., 1oc. per ½ oz., oz. 2oc., 6oc. per ½ lb., lb. \$2.00.

Big Boston. A large flat cabbage-headed variety, splendid for midsummer or fall use or under glass in the early spring and autumn, a delightful shade of light green tinged light brown on the outer leaves. Pkt. 5c. (1oc. per large pkt.), 2oc. per oz., ¼ lb. 6oc., \$2.00 per lb.

Mammoth Salamander. One of the best of the midsummer varieties, resisting heat and drought wonderfully and remains in heading condition longer than many others. The heads are enormous, of a fresh green color; the loose leaves can all be used, as they are extremely brittle and tender. This strain is an improvement on the usual form. Pkt. 5c. (Ioc. per large pkt.), oz. 20c., 5oc. per 1/4 lb., lb. \$1.75.



All Heart. An excellent lettuce for either spring or summer use. The head, while large, has a loose heart, which is of a decided buttery flavor, can be used for sowing in frames or in early summer and spring outdoors. Pkt. 10c., 15c. per ½ 0z., 0z. 25c., 75c. per ½ 1b., 1b. \$2.25.

Boston Market (While Seeded Tennisball). Early small heading

Boston Market (White Seeded Tennisball). Early small heading variety; one of the best for forcing; the heart is very solid and crisp. Pkt. 5c. and 10c., 20c. per 0z., ¼ lb. 50c., \$1.50 per lb. Cabbage Head Giant. A monster head lettuce with a full heart,

Cabbage Head Giant. A monster head lettuce with a full heart, desirable especially for summer use; 6 heads will fill a half bushel basket. Pkt. 10c., 25c. per oz., 1/4 lb. 80c., \$2.75 per lb. California Cream Butter. A good all-round summer lettuce.

Heads are large, compact and well formed. It has a decided buttery flavor. Pkt. 5c. and Ioc., 15c. oz., ¼ lb. 40c., \$1.25 lb. Davey's Improved Big Boston. Makes gigantic solid heads; excellent for under glass. Ioc. pkt., ½ oz. 20c., 40c. per oz.,

st.25 per 1/4 lb.

Emperor Forcing. For sowing in greenhouses or in hotbeds. Heads are not large but very solid. It does not make a suitable head outdoors. Color light green, heart tender and buttery. Pkt. 5c. and 10c., 20c. per doz., 1/4 lb. 50c., \$1.60 per lb. Wayahead. The earliest hard heading lettuce in cultivation,

Wayahead. The earliest hard heading lettuce in cultivation, doing remarkably well either under glass or in the open in spring or autumn. The heart is a golden buttery color, and of delicious flavor. Pkt., Ioc.; 15c. per ½ oz.; oz., 25c.; 65c.

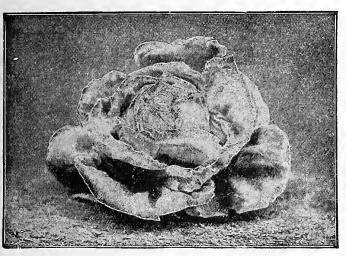
Early Cabbage or White Butter. A wonderful producer of the largest sized heads; while an older variety, it still is in the lead. Excellent to sow in hotbeds for early spring use, while it may be used continuously until autumn. Color a light green with a rich delicate interior, very hardy. Pkt. 5c. and Ioc., I5c. per oz 1/4 lb 45c. \$1.50 per lb

per oz., ¼ lb. 45c., \$1.50 per lb.

Hanson Improved. Tremendous solid heads; the outer leaves are curled; the interior is almost white and very tender; stands the heat well, therefore excellent for summer use; this produces probably the heaviest head of lettuce of any variety. Pkt. 5c. and 1oc., 2oc. per oz., ¼ lb. 5oc., \$1.50 per lb.

MICHELL'S CHOICE STRAINS OF LETTUCE

LAITUE-SALAT-LECHUGA



Lettuce "Unrivaled"

HEADING VARIETIES—Continued

Summer Queen. The most reliable variety during the hot summer months. The heads are enormous, very solid, of a light green color and are much superior to any other variety. It will stay longer without going to seed than any others. 10c. pkt.; ½ 0z., 15c.; 25c. 0z.; ¼ lb., 75c.

Sensation. Large, solid heads for summer or sowing under

glass in spring. 5c. pkt. (large pkt., 10c.); oz., 20c.; 60c. 1/4 lb. Unrivaled. Very large, light green and of a crisp nature. Very desirable for summer use. As a general all-round variety few lettuces can approach it. Pkt., 5c. and 10c.; 20c.

per oz.; ½ lb., 6oc.; lb., \$2.00.

Wonderful. Of the cabbage-headed sorts this is a leader; the color is dark green, with white interior; the heads are large, having curled outer leaves, a popular kind for summer. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 per lb.

LOOSE LEAF OR CUTTING VARIETIES

For early or midsummer use, seed should be sown very

For early or midsummer use, seed should be sown very thickly. When pulling the young plants try to do so with an effort to thin out the bed, thus allowing the remaining plants to become large. This class is always tender and is preferred by many to the heading varieties.

Grand Rapids (Special Strain). The leading variety in this class for forcing under glass, but it may also be grown successfully outdoors. The leaves are very curly, crisp and brittle, and have a palatable flavor. Pkt., 5c. (10c. per large pkt.); 20c. per oz.; ½ lb., 50c.; \$1.50 per lb.

Black Seeded Simpson. Ideal for midsummer use, as it with-

Black Seeded Simpson. Ideal for midsummer use, as it withstands the most trying conditions of heat and drought. natured, presents a formidable loose head with finely fringed leaves. Pkt., 5c. (10c. per large pkt.); 15c. per oz.; ¼ lb.,

leaves. Pkt., 5c. (10c. per large plant), 45c.; \$1.50 per lb.

Early Curled Simpson (White Seeded). Similar to the above and adapted especially for earlier growing and use. Pkt., 5c.; 10c. per large pkt.; 0z., 15c.; 45c. per ½ lb.; lb., \$1.50.

Silesian. This variety should be cut instead of pulled, as it makes new growth from the same root. A light green and when given plenty of room will form a large loose color and when given plenty of room will form a large loose hcad. Pkt., 5c. (10c. per large pkt.); oz., 15c.; 45c. per 1/4 lb.; \$1.50 per lb.

COS, OR ROMAINE, OR CELERY LETTUCE

Of French origin, this type, as will be seen by the illustration, differs greatly from the American varieties by its peculiar upright growth and its decided flavor. To have it real tender the heads must be tied together at the top so that the inner leaves blanch. It is best adapted to outdoor planting and stands the heat well. When thinning out remember that they require less room than the regular heading varieties.

Kingsholm Cos. The largest and best heading variety of this type. The inner leaves blanch almost pure white and have little or no rib, the heads are very full throughout and therefore contain more edible part. Pkt., 5c. (large pkt., 10c.); ½ oz., 15c.; 25c. per oz.; ¼ lb., 6oc.

Trianon Self-Folding. The peculiarity of this sort lies in the fact that the crown of leaves overlap each other which closes over the heart, thus rendering it self-blanching. It is very early and ready for use ahead of the Kingsholm variety. Pkt., 5c. (10c. per large pkt.); ½ oz., 15c.; oz., 25c.; 6oc. per ½ lb.; lb., \$1.50.

LETTUCE PLANTS

We can supply these at all seasons in heading varieties. 50c. per 100 (postpaid 60c.); \$4.00 per 1000.



Cos or Romaine Lettuce "Trianon Self Folding"

PLANTS AND SEEDS OF PLANTS USED FOR GARNISHING AND FLAVORING LETTUCE

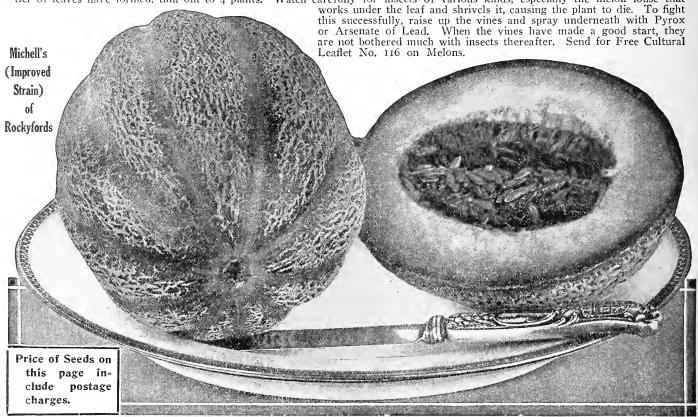
Tarragon (Estragon). This plant is perfectly hardy and once established remains for years, the foliage is finely cut and spread over the lettuce. It is also put into vinegar, to which

it imparts a flavor. Plants, 25c. each; doz., \$2.50. Chervil. One of the most delicious flavoring plants in cultivation, the leaves resemble a fern leaf parsley, are finely cut and mixed with the lettuce, or they can be distributed as gathered on top. To have a succession, sow seed every two weeks. Seed, 5c. pkt. (10c. per large pkt.); oz., 15c.; 6oc. per ¼ lb.; \$2.00 per lb.

Chives. This possesses a delicate onion flavor liked by many, it adds a piquancy without being objectionable like onion. The top is cut off the plant (not too close) and chopped finely and added in small quantities to the dish of salad. It is hardy and needs to be planted once only. Clumps, 15c. each; doz., \$1.20; \$8.00 per 100.

MICHELL'S MUSKMELON or CANTELOUPE One ounce will plant 75 hills; 2½ 1bs. for an acre.

While these do best or reach their greatest perfection in a light sandy loam, any good well-prepared garden soil suits them. Plant when the ground has become permanently warm in hills 6 feet apart each way, 8 to 10 seeds in a hill. After the second tier of leaves have formed, thin out to 4 plants. Watch carefully for insects of various kinds, especially the melon louse that



Honey Dew. A splendid new melon described on page 10. Henderson's Bush. Compact grower; melons like the Jenny Lind variety; flesh green shaded salmon. Of delicious flavor. Pkt., 10c.; 20c. per 0z.; ¼ lb., 65c.; \$2.25 per lb. Burrel Gem. Like the Rockyford, except the flesh is a rich

orange. With only a small seed cavity. Pkt., 5c. (10c. per large pkt.); 15c. per oz.; 1/4 lb., 40c.; \$1.25 per lb.

Defender. Salmon flesh, oval-shaped, of fine flavor; medium size, slightly ribbed; an older variety which lately has come into great demand on account of its good qualities. 5c. and Ioc. pkt.; oz., 15c.; 4oc. 1/4 lb.; lb., \$1.25.

Eden Gem. An improved Rockyford, but more round in shape and not ribbed, but heavily netted; thick green flesh of delicious flavor. 5c. and 1oc. pkt.; oz., 15c.; 4oc. 1/4 lb.; lb., \$1.25.

Emerald Gem. Among the standard varieties, this has long been a leader. The flesh, which is thicker than any other melon of the same shape, is a rich salmon shade and ripens extremely close to the rind. It is exceedingly sweet and one of the melons, when you eat once of, you remember for a long while. Pkt., 5c.

(10c. per large p.kt.); oz., 15c.; 40c. per ¼ lb.; lb., \$1.25. Extra Early Hackensack. A selection of the old Turk's Cap type, ripening fully a week earlier. It is well netted, deeply ribbed, making it ideal for cutting in slices on account of its large size. The flesh is light green, very thick and ripens well to the rind. The shape is even more flat than the Emerald

Gem. Pkt., 5c.; Ioc. per oz.; ¼ lb., 3oc.; \$1.00 per lb.

Fordhook. This is claimed to be one of the best melons ever introduced. Of flat shape like Emerald Gem, on which it is really the interest of the period of the best melons. really an improvement. The flesh is a beautiful salmon orange, surprisingly sweet. The fruits are very large, often weighing 2 lbs. each: is an early variety, is valuable and always prolific. The netted rind is very thin and can be eaten very closely.

Pkt., 5 and 10.; 15c. per oz.; ¼ lb., 4oc.; \$1.25 per lb.

Delicious Gold Lined. Flesh thick, fine-grained and sweet; color green, with a gold margin next the seed cavity; slightly oval and heavily netted. Pkt., 5c. and 10c.; 15c. per oz.; 1/4 lb., 40c.; \$1.25 per lb.

Hoodoo. Medium size, round shape, of deep orange color, exceedingly luscious, a healthy grower and heavy producer. Pkt., 5c. and 10c.; 15c. oz.; 1/4 lb., 40c.; \$1.25 per lb.

Jenny Lind. A small, flat, very early sort, heavily netted and ribbed with green flesh, an altogether good variety to plant with others, using this for the first picking. Pkt., 5c.; 10c. per oz.; ¼ lb., 3oc.; \$1.00 per lb.

Michell's Delicious. This descreedly enjoys a good name, it is one of the very large irregular pumpkin-shaped melons with a smooth silver-gray rind. The flesh is very deep orange-salmon. Pkt., 15c. (2 for 25c.); 30c. per ½ 0z.; 0z., 60c.; \$2.00 per ¼ lb.

Michell's (Improved Strain) Rockyford. The outside is a light green, well-netted, changing to a grayish color. It is mostly all meat, with a very small seed cavity and often weighs a pound and one-half to the fruit. Fine for market or the home garden. Pkt., 5c.; 10c. per oz.; 1/4 lb., 30c.; \$1.00 per lb.

FORCING MELONS

Forcing melons can be grown successfully outside in hotbeds. Sow seed in pots in March and transplant to hotbed when three leaves have developed; these will ripen fruit in June and July. For indoor use treat same as forcing cucumbers. Blenheim Orange, Invincible-Scarlet, Windsor Castle.

Each, per pkt., 25c.

Sutton's AI. In original packets, 5oc. per pkt.

MELON NETS. For supporting forcing melons in green-

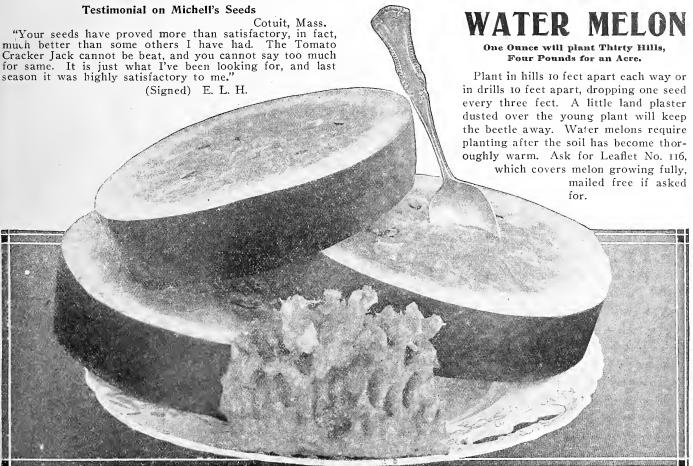
houses; made very strong, will last for a number of crops. \$1.25 per doz.; per 100, \$9.00.

TESTIMONIAL ON MICHELL'S VEGETABLE SEEDS FROM BRITISH WEST AFRICA

Wukari, B. W. A. I am enclosing an order for seeds. Those previously purchased from you by Mr. Hoover have done splendidly. C. W. GUINTER.

MICHELLS VEGETABLE SEEDS 518 PHIL





Tom Watson Watermelon. See price and description below.

Cuban Queen. Very similar in description to Dixie, except | the melon is of mammoth size; it is very solid and good for shipping or home use. Pkt., 5c.; 10c. per oz.; 1/4 lb., 25c.; 8oc. per 1b.

Dixie. The name attaches to this variety a peculiar recollection of things truly Southern, where this melon is at home. 'Tis one of the old-time favorites, roundish-long in home. Tis one of the old-time favorites, roundish-long in shape. The skin is dark green, mottled light; the flesh is very sweet and ripens close to the rind. Pkt., 5c.; 10c. per oz.; 1/4 lb., 25c.; 7oc. per lb.

Florida Favorite. Large oblong fruit with striped skin; flesh is brilliant pink, of most delicious flavor; very solid and extremely juicy. Pkt., 5c.; oz., 10c.; ½ 1b., 25c.; 7oc. per 1b.

Halbert Honey. An ideal family garden or home market melon. The long fruits with blunt ends are very large and weigh often 50 lbs.; the rind is very thin, dark green, while the flesh is a rich crimson. It tastes like a sugar stick, as it melts under the pressure of the tongue. It is very prolific and is altogether a first-rater. Pkt., 5c.; 10c. per oz.; 1/4 lb., 30c.; 90c. per lb.

Kleckley Sweets. A sweet one to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind sets too close to the ripe fluffy, rich red meat, when in condition to use. The melons average about 20 inches long and ripen quite early. Our strain is grown from the originator's seed stock and we can recommend it highly. Pkt., 5c.; 10c. per oz.; 1/4 lb., 30c.; \$1.00 per lb.

Light Icing. Flesh bright red, outside color very light green, round in shape, similar to Dark Icing, except the color of the rind. Pkt., 5c.; 10c. per oz.; 1/4 lb., 25c.; 80c. per lb. Mountain Sweet. Early and very large, oblong shape, rind dark green; flesh red, solid and sweet, a gigantic variety from whence its name is derived. Pkt., 5c.; 10c. per oz.; 1/4 lb., 25c.; 7oc. per lb.

GRAND NEW WATERMELON, TOM WATSON

(See Cut)

Tom Watson. (See Cut.) A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh which, by the way, is of splendid texture and flavor; the sugary meat really melts in your mouth. Nothing can touch it in the melon line for shipping qualities, the rind being tough it will resist plenty of abuse. Pkt., 10c.; 15c. per oz.; ½ lb., 30c.; \$1.00 per lb.

PRESERVING CITRON OR MELON

A large-fruited variety, pure white flesh and thin rind. This is expensive when bought, yet can be grown and preserved by any energetic housewife, who will then also know it to be absolutely pure and good. It is planted like watermelon.

Red Seeded. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; 70c. per lb. MANGEL WURZEL (See Cattle Beet on page 17)

One of the Many Unsolicited Testimonials

Oak Lane, Philadelphia, Pa. I should like to take this opportunity of expressing my pleasure in the results obtained from everything I obtained from you. I have not met with one disappointment in seeds, bulbs or plants. One more thing—I do wish to commend the courtesy of your salesmen, who, in the heaviest spring rush, paid as much attention to the smallest order as if they had been great ones. (Signed) IRENE S. ELDRIDGE.

MICHELLS VEGETABLE SEEDS 518 PHILA

Price of all seeds on this page (except Mushroom Spawn) include postage charges.



OKRA OR GUMBO

One Oz. will sow 20 ft. of row; 1 lb. about 300 ft.

The seed is sown in rows, thickly like peas (in ground that is rich, after the frost and cold has disappeared), in rows 3 feet apart; when about 6 inches high it should be thinned out to stand 6 inches apart in the row. The pod is used when young and tender sliced in soups and stews; what is not utilized during the summer may be harvested, cut in slices and dried in the sun; after being cured in this way it should be put on the pantry shelf for use during the winter, in this way one may have delicious Chicken Gumbo soup any day of the year.

Perkins' Long Pod (Improved Strain). A wonderful dwarf type, setting pods when only a foot high. It can be planted



Perkins' Improved Long Pod Okra

somewhat earlier than other sorts. The pods are exceedingly long and tender and of a dark green color. Pkt., 5c.; 1oc. per oz.; ¼ lb., 25c.; 75c. per lb.

A very desirable sort, immensely productive, bearing very long pods well filled. It is somewhat later than the Perkins' strain and the pods are not quite so great in diameter. Pkt., 5c.; Ioc. per oz.; ¼ lb.,

20c.; 60c. per 1b.

White Velvet or Creole. The pods of this variety are very free from ridges, being almost perfectly smooth; they are tender and very light green, almost white in color. Pkt., 5c.; oz., 1oc.; ½ lb.; 2oc.; 6oc. lb.

MICHELL'S SUPERIOR MUSHROOM SPAWN

If wanted by mail allow for postage

Mushrooms are within the reach of any one who has a greenhouse or a cellar. A crop is produced with good spawn, a little care and patience in about 4 to 6 weeks, and continues in bearing about two months. New beds can be started at intervals which will give a supply the entire season. The first planting can be made in July, the last in March. Summer spawned beds do not bear well. Ask for our Free Booklet on Mushroom Culture, which also describes, further, these different spawns. I Brick will spawn 8 to 10 sq. ft.

BRANDYWINE PURE CULTURE SPAWN

This is an entirely new strain originating in the section of Pennsylvania that supplies the New York and Eastern markets with mushrooms. It appears to be especially full of life and we can recommend it as an early and prolific producer; mushrooms are uniform and almost pure white in color.

Per Brick (P. P. Weight 13/4	Per 10 Bricks\$2.75
lbs.)	Per 25 Bricks 6.50
Per 5 Bricks 1.50	Per 50 Bricks12.50

LAMBERT'S AMERICAN PURE CULTURE SPAWN

This type produces larger mushrooms than the English, coming into bearing somewhat earlier, and continuing to crop for a long time. This spawn is produced by selecting spores from individual specimen mushrooms and is propagated and transferred to the bricks of manure, which, when planted, produce mushrooms all of one type.

 Direct No. 8.
 Cream White.
 For use from April to October.

 Direct No. 9.
 Pure White.
 For use from October to April.

 Per Brick (P. P. Wt., 2 lbs.)
 Per 10 Bricks
 \$2 30 Per 25 Bricks

 Per 5 Bricks
 1.25 Per 50 Bricks
 10.50

MICHELL'S SUPERIOR ENGLISH MUSHROOM SPAWN

15c. per brick (P. P. Weight, 1½ lbs. per brick); per doz., \$1.75;
25 lbs., \$2.50; \$8.00 per 100 lbs.

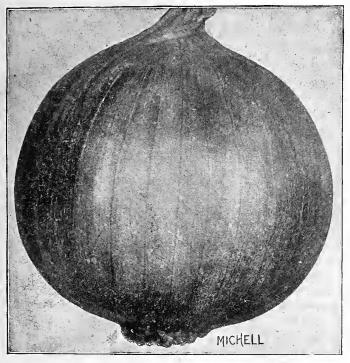


MUSHROOM OR HOT BED THERMOMETERS

Heavy Iron Point style.\$1.00 | Heavy Brass Point style.\$1.50 Thermometers should, wherever possible, be sent by express. We do not guarantee safe arrival if forwarded by parcel post.

Books on Growing Mushrooms	
Pamphlet (gratis for a postal card asking for it).	
Robinson's Book (postpaid)\$0.50	
Falconer's Book (postpaid)	
(hi)	

MICHELL'S RELIABLE GARDEN TOOLS, FERTILIZERS, 518 PHILA.



Prizetaker Onion

Southport White Globe. A beautiful type of an almost round onion, growing to enormous size. This is perhaps the best Onion of all for family use. The flesh, when cooked, is of a rich milky color, tender and delicious flavor and in the raw state it is one of the mildest. Pkt., 5c. and Ioc.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ½ lb.; lb., \$4.50.

White Barletta. Extra early small round variety used principally for pickling. Ioc. per large pkt.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.; lb., \$4.50.

Bermuda White. An early variety producing an immense globe-shaped bulb, producing (if when transplanted about 4 inches apart) gigantic onions the first season. In raw state it is very mild, while, when cooked, the flesh is tender and of a delicious flavor. For slicing it is the best. Pkt., 10c.; 15c. per ½ 0z.; 1 0z.; 25c., 85c. per ¼ 1b., 1 1b., \$3.00.

ONION For full size onlons, one ounce seed will so wa 100 ft. row; 5 to 6 pounds per acre. If it is desired to grow onlon sets, sow 25 to 30 pounds per acre.

Sow in the early spring in rows 2 feet or less apart, according to cultivation method employed. The seed should be firmed in the soil. If it is desired to grow full size onions the first year, thin out when three inches high, so that they stand about two or three inches apart. White onions are mildest in flavor and are recommended for early use. The yellow sorts are best for winter keeping. Cultural Leaflet No. 118 gives excellent instructions in regard to onion growing. Ask for a free copy.

Ailsa Craig. The largest of all onions, often weighing three lbs. and over, each. In England it is the foremost variety and will be seen there on exhibition during all vegetable shows. It is globe-shaped, slightly pointed at the top and base; the color is a beautiful straw yellow. To obtain best results sow seed in the hotbed and later transplanted where it is to grow; in planting place 4 to 6 inches apart and thus procure gigantic specimens. Too. pkt: ½ oz., 25c.; 5oc., oz.; ½ lb., \$1.75.

mens. 10c., pkt.; ½ oz., 25c.; 50c., oz.; ½ lb., \$1.75.

Prizetaker. This mainmoth yellow variety if sown thinly produces full size onions in one season from seed, rivaling with the Bermuda varieties for size and flavor, often weighing 3 lbs. and more. Pkt., 5c. and 10c.; ½ oz., 15c.; oz., 25c.; 85c. per ½ lb.; \$3.00 per lb.

Danver's Yellow Globe. This almost round in shape onion is extensively sown by the private and market gardener on account of its good keeping qualities. It is a dark straw color and always produces a good crop, growing to large size. Pkt. 5c. and Ioc.: 1/2 oz., 15c.; 25c, oz.; 1/2 lb., 1/2 lb., 1/2 lb., 1/2 lb.

and always produces a good crop, growing to large size. Pkt. 5c. and 1oc.; ½ oz., 15c.; 25c. oz.; ¼ lb., 85c.; \$3.00 per lb.

Southport Yellow Globe. Similar to the Danvers except larger in size, more like the Prizetaker. This is probably one of the most uniform growing varieties, every bulb being almost perfectly round and of the same size; light straw colored skin. Pkt., 5c. and 1oc.; ½ oz., 15c.; 25c. oz., ¼ lb., 85c.; \$3.00 lb.

Yellow Strasburg (or Dutch). A dark straw color skinned

Yellow Strasburg (or Dutch). A dark straw color skinned sort, almost flat in shape but a large onion. Its fine keeping qualities is what recommends itself to the home as well as the market gardener. For a yellow sort it is rather mildly flavored; for growing sets more of this variety is sold than any other; one of the best winter keepers. Pkt., 5c. and 10c.; ½ oz., 15c.; 25c. per oz.; ¼ lb., 80c.; \$3.00 per lb.

Large Red Wethersfield. A flat large growing variety. This

class are excellent winter keepers, being flavored much like the yellow sorts; tull size onions can be grown from the seed in one season. Pkt., 5c. (large pkt., 10c.); oz., 20c.; ¼ lb., 70c.; lb., \$2.50.

White or Silver Skin. The standard white onion for market or home use, it is of very mild flavor, semi-globe shaped and is

or home use, it is of very mild flavor, semi-globe shaped and is very uniform in growth and size. Pkt. 5c. (10c. per large pkt.). ½ oz., 15c.; 30c. per oz.; ¼ lb., \$1.00; \$3.75 per lb.

ONION CULTURE, a good book by a Practical Grower, 50c. per copy

ONION SETS One quart will plant a row about 50 feet.

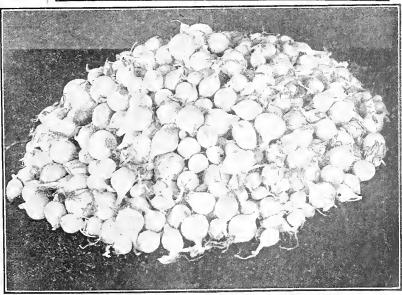
Used for an early crop of onions, and should be planted just as soon as the ground can be worked. Press the bulb in the ground lightly and do not cover; in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in this locality for winter storage as early as July 10th. The advantage in planting sets lies in the fact that the young onion is ready in 5 weeks from time of planting, while those grown from seed cannot be used until well in the autumn.

Shipped on Local Orders about March 10, unless otherwise requested

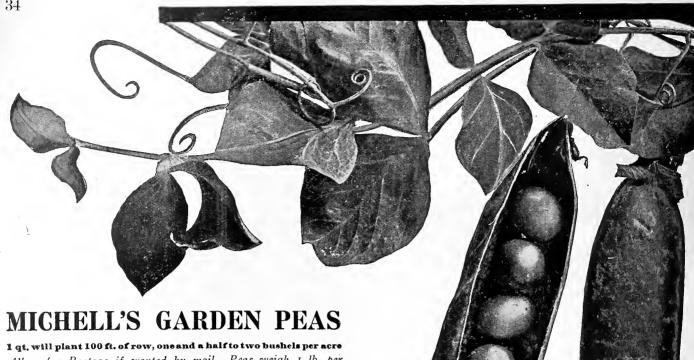
If wanted by mail add 5c. per pint and 10c. per

quart for postage.			4	
•		Quart	Quarts	8lb. Pk, 32-lb. Bu.
Yellow#	0.13	\$0.25	\$0.70-	
White		.30	.90	Prices change constantly. Price
	.15	.30	.90	for larger quanti-
White Multiplier	.15	.30	۰90	ties than here
Potato Onion	.15	.30	.90	ties than here quoted on application.
Shallots	.15	.30	1.10	
Tree or Top Onio	ns.	Can be	supp1	ied in Sept. and

Garlic Sets. Per lb., 35c.; 10 lbs. for \$3.00. We give 32 lbs. per bushel on Onion Sets.



Choice Home Grown Onion Sets



Allow for Postage if wanted by mail. Peas weigh I lb. per pint, 2 lbs. per qt.

Large Pkts. of all Varieties 10c. Postpaid.

The smooth seeded varieties can be sown as soon as the ground is open; the wrinkled sorts when the ground has become warmer. The distance for planting apart depends somewhat on the variety. To have a continuous crop, sow weekly up to June 15th, and again August 15th. For the last planting, 60 days before frost, use the dwarf early varieties. Cultural Leaflet No. 121 covers the growing of peas thoroughly, it is free.

EXTRA EARLY VARIETIES

Alaska. Smooth seeded, very early, height 21/2 feet. 15c. per pt.; 30c. per qt.; 4 qts., \$1.10; \$2.00 per peck.

Ameer. A very large podded early pea, following the Alaska. It is a heavy cropper. Pt., 15c.; 3oc. qt.; 4 qts., \$1.10; \$2.00 per pk.

American Wonder. The earliest wrinkled dwarf variety, exceedingly sweet, height 10 to 12 inches. 20c. per pt.; per qt., 35c.; \$1.25 per 4 qts.; peck, \$2.25

Bountiful. A bluish round pea of large size. The pods are very large and well filled; it is very early, a good cropper, suited to the first and last planting, grows 24 to 30 inches high. Pt., 20c.; 35c. qt.; 4 qts., \$1.25; \$2.25 per peck.

Dandy Extra Early. These are a selection of the Eureka, but will be found far superior; smooth seeded, very prolific and desirable for the kitchen garden, height 24 inches. Per pt., 20c.; 35c. per qt.; per 4 qts., \$1.30; per peck, \$2.25.

Early June. A green seeded smooth pea, desirable for first planting, an improvement on Alaska; height, 21/2 feet. 20c. per pt.; per qt., 30c.; \$1.10 for 4 qts.; peck, \$2.00.

Early Morn. One of the earliest of wrinkled peas, earlier and better, it is claimed, than Gradus or Thos. Laxton. The pods are large and well filled, mature in 60 days and is very prolific. Pt., 20c.; 35c. per qt.; 4 qts., \$1.25; \$2.25 per peck.

Eureka. A great producer and extremely early, smooth seeded; height, 24 inches. 15c. per pt.; qt., 30c.; \$1.10 per 4 qts.; per peck, \$2.00.

Premium Gem (or McLean's Little Gem). Similar to American Wonder, but a heavier producer, wrinkled seed; height, 18 inches. 20c. per pt.; per qt., 30c.; 4 qts., \$1.10; \$2.00 per peck.

Laxtonian. A real sweet marrowfat extra early variety, growing about 12 inches high; very prolific and deserves extensive planting. Pt., 20c.; 40c. qt.; 4 qts., \$1.40; \$2.75 per pk,; bushel, \$11.00.

Gradus Peas Gradus or Prosperity. Never was there a pea offered which is so greatly demanded as this very early sort. It is exceedingly luscious, wrinkled and a producer of gigantic pods and peas; height, 36

inches. 20c. per pt.; qt., 40c.; 4 qts., \$1.50; per peck, \$2.50.

Little Marvel. Wrinkled; dwarf, 18 to 20 inches; prolific and sweet. Pt., 20c.; 40c. qt.; 4 qts., \$1.40; \$2.50 peck.

Michell's Special Ex. Early. Of the smooth seeded sorts this is the peer. Extremely early, lusciously sweet and very tender, a grand yielder; height, 24 inches. 25c. per pt.; 45c. per qt.; 4 qts., \$1.75; \$3.25 per peck.

Nott's Excelsior (Improved Strain). A splendid early wrinkled pea, producing heavy crops of full pods very early. One of the leading varieties for the home or market garden. Height, 15 inches. 25c. per pt.; qt., 4oc.; 4 qts., \$1.50; \$2.75 per peck.

Nott's Excelsior (Usual Strain). Pt., 20c.; 35c. per qt.; per 4 gts., \$1.20; peck, \$2.25.

MICHELL'S GARDEN PEAS (Continued)

Large Pkts. all Varieties 10c. Postpaid

If pints and quarts of peas are wanted by mail allow for postage. 1 pt. weighs 1 lb,, 1 qt. weighs 2 lbs.

EXTRA EARLY VARIETIES (Continued)

Sutton's Excelsior. This wrinkled variety is quite hardy and can be planted very early. It is dwarf, growing about 16 inches and makes a long broad pod, well filled; it follows the extra sorts and is a great producer. Pt., 25c.; 4oc. qt.; 4 qts., \$1.40; \$2.25 per peck.

Thos. Laxton, On a par with Gradus in quality, heavy producer, wrinkled, exceedingly early. The pods are large and filled to the tip with large Peas of excellent flavor. Its strong vine and heavy cropping qualities make it very suitable for an early crop in the private garden; height, 36 inches. 20c. per pt.; qt. 40c.; \$1.50 for 4 qts,; peck, \$2.50.

The Pilot or Leader. The earliest of round seeded varieties. The pods and peas are nearly as large as those of Gradus. They can be planted, of course, much earlier. The vines are of vigorous growth, 3 feet high and produce an abundance of pods. The peas are of finest flavor. Per pt., 25c.; 4oc. per qt.; 4 qts , \$1.50; \$2.50 peck.

SECOND EARLY VARIETIES

Potlatch. A grand wrinkled variety, similar to Daisy, very sweet, produces pods well filled with peas. 20c. pt.; qt., 35c.; \$1.30 per 4 qts.; peck, \$2.50.

Bliss Abundance. Produces very large pods containing six and even more peas of a delicious flavor; a great yielder; wrinkled; height 20 inches." Per pt., 15c.; 30c. per qt.; per 4 qts., \$1.00; \$1.80 per peck.

Daisy or Dwarf Telephone. One of the best medium early sorts, bearing heavy pods in the greatest abundance; wrinkled and very sweet; height, 18 inches. Per pt., 20c.; 40c. per qt., \$1.50 for 4 qts.; peck, \$2.50.

Harvester (New). This is a grand variety for the home garden. The past summer, under adverse conditions, this variety yielded handsomely compared with other varieties at our trial ground. The pods contain frequently as many as 10 peas of delicious quality. It is wrinkled, grows about 18 inches high and is a grand producer. Crop failed.

Heroine. A fine wrinkled variety, claimed to be one of the finest peas in existence; height, 2 feet; a great cropper. Per pt., 20c.; 35c. per qt.; 4 qts., \$1.25; peck, \$2.25.

Long Island Mammoth. Largely in use among private and market gardeners; it yields handsome large peas, very tender; height, 3½ feet. Per pt., 15c.; 3oc., per qt.; 4 qts., \$1.15; peck, \$2.25.

Pride of the Garden. An excellent dwarf variety for early summer use; pods containing as many as nine peas. Crop failed.

Idlewood, N. J. The Telephone Peas purchased from you this spring are the best I have ever seen. My patch of these is a great show. I made my first picking June 21st.

MAX LANDGRAF.

GENERAL OR LATER CROP VARIETIES

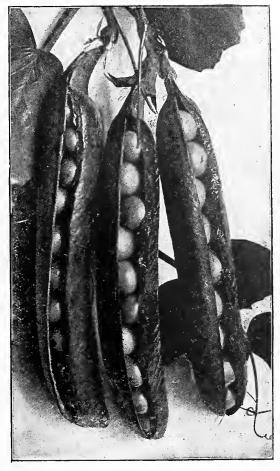
Champion of England. A very tall rank grower, but a wonderful yielder of delicious quality peas; seed wrinkled; height, 5 feet. Per pt., 15c.; 30c. qt.; 4 qts., \$1.10; peck, \$1.75. Dwarf Champion. Possesses most all the good qualities of the famous Champion of England, and having the further advantage of being dwarf; a very delicious pea which should be planted largely; height, 2 feet. Per pt., 20c.; 35c. per qt.; \$1.25 for 4 qts.; peck, \$2.00.

Stratagem (Improved). Immense pods containing an abundance of good, large tender peas; seed wrinkled; height,

20 inches. Per pt., 20c.; 35c. per qt.; 4 qts., \$1.25; peck, \$2.25. Telephone (Tall). The finest late wrinkled pea grown; exceedingly sweet; an abundant producer; height, 3½ feet. Per pt., 15c.; 30c. per qt.; 4 qts., \$1.10; \$2.00 per peck.

SIX FIRST CLASS PEAS

Michell's Spec. Ex. Ea., Notts Excelsior, Harvester, Gradus, Thos. Laxton, The Pilot.



Peas, Thos. Laxton

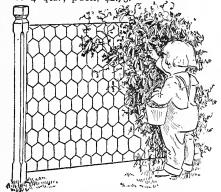
SUGAR OR EDIBLE POD PEAS

This type produces large, well-filled pods. The latter are cooked with the peas intact. They are very tender and exceedingly sweet.

Dwarf Sugar. Gray seed; height, 2 feet. 20c. pt.; 40c. per

qt.; \$1.50 for 4 qts.; peck, \$2.75.

Melting Sugar. White seed; height, 4 feet. 20c. pt.; 40c. per qt.; \$1.50 for 4 qts.; peck, \$2.75.



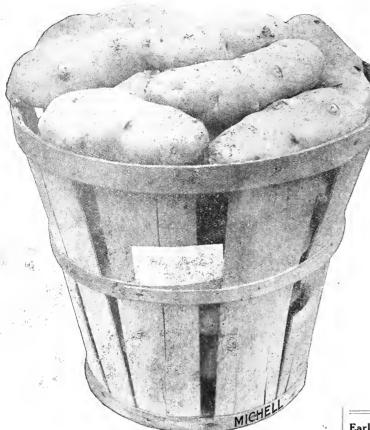
PEA TRELLIS

The ideal support for garden peas, neater, more economical than brush; can be rolled up when through with and stored. Made of strong galvanized netting and substantial uprights, neatly painted and finished. Ten ft. sections, 48 inches high, \$1.25 per section; 10 sections for \$10.00.

Farmogerm for Garden Peas. Means bigger crops, healthier vines, early and more continuous crops. bottle, 25c. and 5oc.; \$1.50 per acre bottle. It will pay you to use this when you plant peas. (See page 55).

Plant 12 to 14 Bushels Per Acre

Our Potatoes are Grown Expressly for Seed Purposes in the Best Districts of Maine



EARLY SORTSBeats Them All (*Michell's*). This famous variety was sent out by us, and has given the best results wherever tried, yielding more than any other early potato, quality fine, extremely early, coming in about one week or ten days earlier than Early Rose.

Beauty of Hebron. Somewhat earlier than Early Rose, otherwise very similar, good yielder.

Bliss Triumph or Red Bliss. A very early thin-skinned variety, they are frequently offered as southern or Bermuda grown potatoes. Bovee. Earlier than Early Rose; quality excellent; pink flesh;

HYBRIDIZED POTATO SEED

cooks white; dwarf in growth.

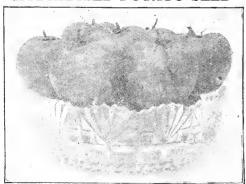


PHOTO OF POTATO SEED BALLS-ONE-HALF NATURAL SIZE It is from these that ALL valuable new varieties of Potatoes are produced.

Growing new and distinct Seedling Potatoes from the Seed-Ball Seed is intensely interesting. They will be the greatest curiosity of your garden. This seed will positively produce innumerable new kinds, colors, shapes, sizes and qualities. The product will astonish you. Some may be of immense value and bring you a golden harvest. Every farmer and gardener should plant a few packets. Full directions on packet. Pkt., 15c.; 25c. for 2 Pkts.

They are carefully sprayed and are free from scab, dry rot, anthracnose etc.

TIME OF SHIPMENT.—Potato shipping with us commences about March 15th (weather permitting), unless otherwise requested. We can ship them at customers' risk any time during cold weather.

Our potatoes are put up in barrel sacks of 165 lbs. each. Shipment in barrels can be made at a cost of 35c. each for barrels.

REGARDING POTATO PRICES

At the time of printing this catalog prices for potatoes could not be anticipated, we can however assure our customers that we will fill their orders at the market price for first class quality. Please do not compare Maine grown Seed Potatoes which we handle exclusively with New York State grown stock, the former are far superior.

are far superior.

There are more varieties of seed Potatoes than what we offer but those listed here are tried and proved.

CONCAVE POTATO KNIVES

For cutting out the eyes of seed potatoes prior to planting. Made of best steel with concave blade. 30c.; 3 for 85c., postpaid.

SPECIAL OFFER-FREE

To each purchaser (desiring it) ordering 1 bbl. sack or more of any one variety of Seed Potatoes, if asked for, we will mail free or include with order, where possible, a copy of Potato Culture (by Rogers). This book costs 50c. and can be bought independent of a potato order at this price.

LATE OR GENERAL CROP VARIETIES

Green Mountain. An excellent general crop variety. An old favorite, grown by every State of Maine. gardener; good keeper.

White Star. As a kitchen garden variety, or sort for commercial use, there are few as good; excellent for baking; long in shape. We can also supply all other varieties of Seed Potatoes.

Early Ohio. A seedling of the Early Rose, ripens about a week earlier.

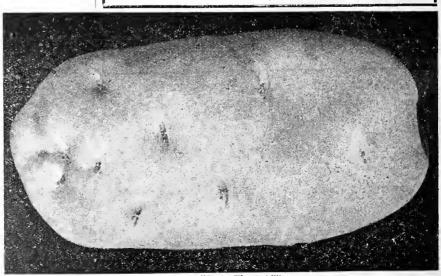
Early Rose (Houlton or Maine). A leading variety for earliness, quality and productiveness.

Irish Cobbler. A splendid sort, almost round in shape; heavy producer.

Noroton Beauty. The earliest and most productive potato grown, and of superb table qualities. Red skin.

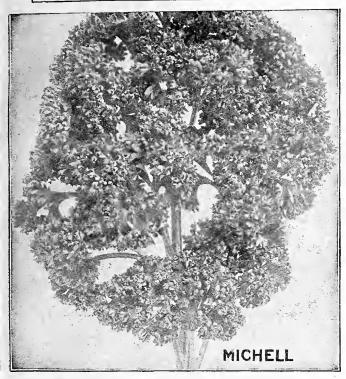
POTATO SCAB DESTROYER

Dilute I part to 15 parts of water and immerse the uncut sound tubers for 2 hours. Pt., 6oc.



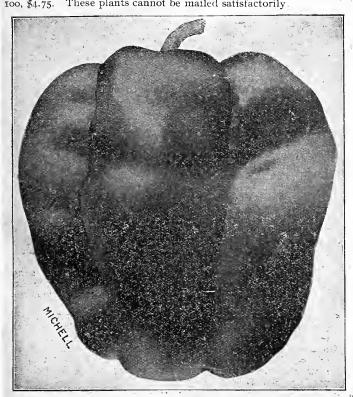
Michell's "Beats Them All' NOTE .- Prices on Seed Potatoes will be quoted on application.

GARDEN TOOLS, FERTILIZERS, 518 RELIABLE MICHELL'S SEEDS, BULBS, PLANTS POULTRY SUPPLIES, ETC. MARKETST. PHILA.



Double Curled Covent Garden Parsley

PARSLEY PLANTS (Ready in April) Large specimens, pot-grown, ready for use. 6oc. per doz., per 100, \$4.75. These plants cannot be mailed satisfactorily.



Chinese Giant Pepper

PEPPER PLANTS (Ready in May)

Pot Grown Plants. 60c. per doz., per 100, \$4.75. Hotbed Grown. 25c. per doz:, per 100, \$1.50.

PARSLEY One ounce will sow a row 100 ft. long

After soaking the seed for a few hours in warm water, it may be sown in rows 18 inches apart and when 2 inches high thin our to stand 4 inches apart in the row. It takes parsley seed from 3 to 6 weeks ordinarily to germinate, so that a little patience in growing this is a necessary requisite. Cultural directions are fully covered in Leaflet No. 120, ask for a copy.

Champion Moss Curled. Beautifully crimped and curled. It

can be cut the year round. Pkt. 5c., 10c. per oz., 1/4 lb. .35c.,

\$1.25 per lb.

Double Curled or Covent Garden. A great improvement over all other varieties; a nicely curled leaf which has a tendency to retain its deep green color the entire season. Pkt., 5c.;

15c. per oz.; 1/4 lb., 40c.; \$1.25 per lb.

Hamburg or Rooted. The fleshy roots are used for flavoring soups, stews, etc. Pkt., 5c. (1oc. per large pkt.); oz., 15c.;

1/4 lb., 40c.; \$1.25 per lb.

TESTIMONIAL

Bozman, Montana. Thanks for promptly filling my order. We've always been pleased with your seeds.

TRACY FLORAL CO.

PEPPER One ounce of seed produces 1200 plants

Sow the seed in a hotbed or window box about March 1st, transplant to the open when all danger from frost is over. Set plants in rows 3 feet apart, 15 inches in the row. For complete cultural directions send for Leaflet No. 122, mailed free or included with orders.

New Apple Pepper. A variety of novel appearance, having the form of an apple standing upright on the plant; first green it afterwards turns a brilliant red, very mild in flavor. For prolificness nothing can surpass it, beginning very early it continues to bear until killed by frost; about 3 inches in diameter. Ioc. pkt.; 20c. ½ oz.; 40c. oz.; ¼ lb., \$1.50.

Chinese Giant. This is a real monster pepper, perfectly sweet, the fruit is green turning to bright scarlet, matures very late,

very shy seeder. Fine for stuffed mangoes Pkt., 10c.; 25c. ½ 0z; 0z, 45c.; \$1.50 per ¼ lb.

Large Bell or Bull Nose. The standard pepper for either market or home consumption. Very thick flesh, perfectly mild, and a great producer. The large fruits are green, but later turn a vivid scarlet; fine for slicing on tomatoes or stuffed as mangoes. Pkt., 5c. (1oc per large pkt.); ½ oz., 15c.; oz., 3oc.; \$1.00 per ¼ lb.

Neapolitan. This variety is an excellent one, grows a long shape and somewhat narrow; it stands upright on the bushes. The fruit is sweet and bright red; a very early sort. Pkt. Ioc., ½ oz., 15c.; oz., 3oc.; \$1.00 per ½ lb.

Large Sweet Spanish. A variety rivaling with Chinese Giantis, however, not as large. Color and shape very similar, also

late in maturing; for mangoes or pepper hash this is an ideal sort. Pkt., 5c. (10c. per large pkt.); ½ oz., 15c.; oz., 30c.; \$1.00 per 1/4 lb.

Hot Bull Nose. This variety is identical with the Sweet sort bearing the same name, except it is used where a stronger flavor is wanted and cannot be served as a mango. Pkt. 5c. (Ioc. per large pkt.), ½ oz. 15c., 3oc. per oz., ¼ lb. \$1.00.

MISCELLANEOUS PEPPERS

Cayenne. A long red variety, very hot and used principally for bunching with pot herbs. Pkt. 5c. (10c. per large pkt.), 1/2 02. 15c., oz. 25c., 8oc. 1/4 lb.

Celestial. A Chinese variety bearing roundish upright pods of

various colors on one bush, this makes a decorative plant for the garden. Pkt. 5c., ½ oz. 15c., oz. 25c., 8oc. per ¼ lb. Ruby Giant (New). Very large; adapted for stuffing; mild

flavor. Pkt., 10c.; 20c. ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

Golden Dawn. A large yellow variety, shaped like the Chinese Giant, very sweet. Pkt. 5c., ½ oz. 15c., oz. 25c., 8oc. per ¼ lb

Red Cherry. A small upright growing sort; very hot in flavor Pkt. 5c., ½ oz. 15c., oz. 25c., 85c. per ¼ lb.

Ruby King. A large red variety resembling Bull Nose. Pkt. 5c.; ½ oz., 15c.; oz., 3oc.; \$1.00 per ½ lb.

Small Chili. Used principally for seasoning and making sauce; the small very narrow red pods are very hot; in a dried state they are an excellent tonic for the parrot. Pkt. 5c., ½ oz. 15c., oz. 25c., 85c. per 1/4 lb.





The method of placing a barrel without a bottom over a Rhubarb clump has a tendency to draw up the length of the stalks, thus increasing the yield.

RHUBARB

This can be grown from seed as well as roots. Seed should be sown outdoors in April in rows 3 ft. apart, the following spring they should be transplanted into permanent beds, the roots placed 3 feet apart each way; the year following that, or two years after sowing the seed, it may be used. Roots may be planted in October or in the spring up to May 15th.

Victoria. Immense long stalks of a cherry red color, which cook splendidly, have no strings or coarse matter, this makes it a most popular variety. Pkt. 5c. (10c. per large pkt.), oz. 15c., 40c. per 1/4 lb., lb. \$1.25.

VICTORIA RHUBARB ROOTS

(Ready from October to May 15th.)

First Size Roots. 15c. each (by mail, 15c.); \$1.25 per doz., per 100, \$7.0

Forcing Size Roots. 25e. each (not mailable); \$2.50 per doz., 25 for \$4.25; \$15.00 per 100.

ROSEMARY HERB (Perennial)

This makes an attractive border plant, also used extensively for various medicinal purposes. 5c. per pkt., per ½ oz. 15c., 3oc. per oz. See also Rosemary Plants, page 46.

RUTA-BAGA (See also Turnips, page 44)

Private Stock. Purple top; yellow. Pkt., 5c.; per oz., 15c.; 35c. per ¼ lb.; per lb., \$1.25. Improved. Purple top; yellow. Pkt. 5c., 1oc. per oz., per ¼ lb.

25c., 75c. per lb.

SAFFRON HERB (Annual)

Used principally in making medicines and for coloring matter. 5c. per pkt., per oz. 10c.

SAGE HERB (Perennial)

Mammoth leaved variety, used in gravies, stews and also for medicinal purposes. 5c. per pkt., per 1/2 oz. 10c., 15c. per oz.

SAGE PLANTS

Holt's Mammeth. Strong plants. 15c. each, per doz. \$1.20, \$7.00 ; per 100.

SHALLOTS (See also Onions, page 33)

A variety of French onion for flavoring. 15c. pt.; qt., 3oc.

HICKOX, GA.

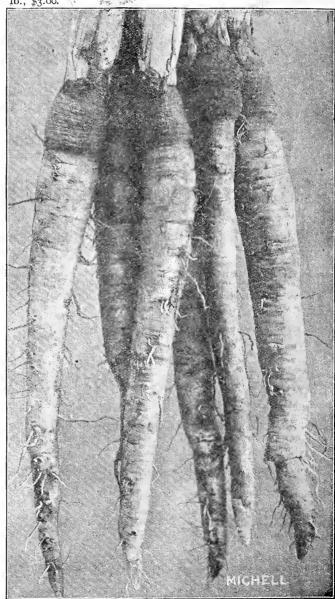
Seeds arrived O. K. Thanks for your courteous handling of my order. A prospective customer I had in mind for you; bought elsewhere, his seeds arrived at the time yours did, so we are off in a race for supremacy. Michell's seeds are already, at the start, far in the lead. H. J. McGEE.

SALSIFY (OYSTER PLANT)

One ounce of seed will sow about 50 feet of drill. 10 lbs. per acre. Sow-in early spring, in drills fifteen inches apart and one to two inches deep, when about 4 inches high, thin to three inches apart. Soil should be very deep and mellow, in order that the root may grow straight down. Store same as carrots for winter use, or they can be left in the ground until spring. This is one of the finest-vegetables stewed and served with a cream dressing, while if sliced or made into cakes and fried like parsnip, they taste like a deficious oyster.

Mammoth Sandwich Island. This variety is of enormous size, twice as large as the ordinary white; pure white, very tender and delicious. Pkt., 5c.; oz., 25c.; 1/4 lb., 8oc.; lb., 3.00.

Long White. The favorite market variety, somewhat thinner than the Sandwich Island. Pkt., 5c.; oz., 25c.; 1/4 lb., 80c.; lb., \$3.00. 3



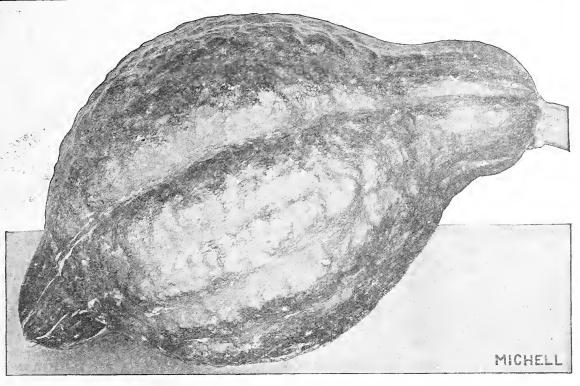
Mammoth Sandwich, Island Salsify (See prices above)

MICHELL'S RELIABLE GARDEN TOOLS, FERTILIZERS, 518 PHILA.

SQUASH

One ounce will sow 20 to 50 hills 3 to 4 lbs.

This vegetable is a popular one for summer and winter use, it being susceptible to cold it should not be planted until the ground is thoroughly warm. There are two varieties, the bush sort being planted in hills 4 to 5 feet apart each way; the running varieties require planting 8 to 15 feet apart in order that it may develop properly. Place 8 to 10 seeds in a hill, and when the third stage of leaves are set, thin out to about 4 plants in a hill. Some varieties, as will be noted below, are ideal for piemaking, more delicious than some of the pumpkins. Cultural Leaflet No. 124 covers squash growing fully. It is free.



SUMMER VARIETIES

Golden Custard. A flat scalloped type, like the White Bush; the skin is of a light vellow color, which is very thin, leaving plenty of meat in the centre; a bush or compact growing kind. Pkt., 5c.; 10c. per oz.; ¼ lb., 30c.; \$1.00 lb.

Mammoth White Bush. Of round scalloped form with an ivory white skin. This variety has an abundance of meat of very fine flavor. It is one of the earliest to mature and is very prolific, bearing continually until killed by frost. Pkt., 5c.; 10c. per oz.; 1/4 lb., 30c.; \$1.00 lb.

Wellow Summer Crook Neck. Shaped like a club with a bent neck. The skin is very rough and warted, of an orange yellow color. Much preferred by the cook on account of its very dry meat when boiled. This is a variety with a running vine. Pkt., 5c.; 1oc. per oz.; 1/4 lb., 3oc.; \$1.00 lb.

FALL AND WINTER VARIETIES (Running Sorts)

Delicious. Well named as it has the finest flavor of any squash, of oblong shape with a deep green skin and thin rind, with a seed cavity so small that it almost meets in the centre. One of the best winter keepers; grown extensively for market; when matured it weighs from 5 to 10 lbs. and is in its prime during the early winter; one of the very best. Pkt., 5c.; oz., 1oc.; 3oc. per 1/4 lb.; lb., \$1.00.

Golden Hubbard. Used extensively for pie, but served as a vegetable; it is very dry and delicious. The outside is a deep orange red, while the flesh is very tender. Pkt. 5c. (10c. per large pkt.); oz., 15c.; 40c. per 1/4 lb.; lb., \$1.40.

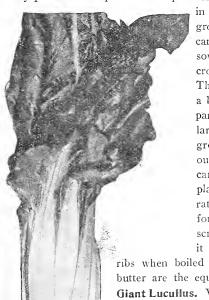
Boston Marrow. Shaped similar to Hubbard, golden orange; fine for canning for winter use; cooked as a vegetable or in pie. Pkt., 5c.; oz., 10c.; 30c. 1/4 lb.; lb., \$1.00.

Vegetable Marrow. A long greenish white variety; fine for cooking; very sweet and tender. This is the favorite squash with the English people. Pkt., 5c.; Ioc. per oz.; per 1/4 lb., 30c.; \$1.00 per lb.

Delicious Squash

SWISS CHARD (Spinach Beet)

A wonderful vegetable which is known but too little. From every possible standpoint it has qualities that recommend its use



in every household. Readily grown from seed, when it can be used five weeks after sowing and is a continuous crop until killed by frost. The plant does not produce a beet root, but its valuable part is all above the ground; large leaves with broad ribs grow from the centre; the outer leaves only should be carefully pulled from the plant; the foliage part separated from the rib. The former when cooked is scrved like spinach, which it resembles in taste; the

ribs when boiled and scrved with melted butter are the equal of finest asparagus.

Giant Lucullus. Very tall growing; crinkly leaves often two feet long; a beautiful ornamental plant for any garden. Pkt., 5c. (10c. per large pkt.); oz., 15c.; 5oc. per ¼ lb.; lb., \$1.75.

Silver Leaved. Not quite as tall as the Lucullus, nor so well crinkled. Pkt., 5c.; 10c. oz.; 1/4 lb:335c., \$1.25 lb.

Giant Lucullus Swiss Chard

MICHELL'S SUPERIOR SPINACH SEED

One ounce to 75 feet of row. 12 pounds per acre.

Note on Spinach.—Never can it be remembered that the supply of spinach seed was as short as it is today.

Prices of all seeds on this page in lb. lots and less include postage.

See Cultural Leaflet No. 126 for instructions on spinach growing. It's free, ask for it.

Bloomsdale Round-Seeded Savoy (Improved Strain). The hardiest Savoy leaved variety; curled and crimped, thick, fleshy leaves; the best for early spring and fall sowing. Pkt., 5c.; 1oc. oz.; 25c. per ¼ 1b.; per lb., 8oc.; \$3.75 for 5 lbs.

Bloomsdale (Usual Strain). Pkt., 5c.; oz., 1oc.; 1/4 lb., 2oc.; 75c. per 1b.; 5 lbs., \$3.50.

Long Season. A cross between the old reliable Bloomsdale and the Victoria. It produces tremendously large plants and leaves which are strong and robust. It will resist heat better without shooting to seed than any variety yet introduced. The leaves are somewhat curled, and are tender. Color, a beautiful dark green. Pkt., 5c.; 1oc. per oz.; per 1/4 lb., 2oc.; 75c. per lb.; 5 lbs., \$3.50.

New Zealand. This variety endures heat and drought; excellent for summer use; the leaves are small and thick. It is an enormous yielder, growing upright, one sowing can be picked from the entire summer, a very distinct variety. Pkt., 5c.; Ioc. per oz.; per 1/4 lb., 35c.; \$1.25 per lb.

The Supply of Spinach Seed is exceedingly short, and there will not be enough to last throughout the season, for that reason we urge our customers to secure their supply as soon as possible.

SORREL (French Broad Leaved)

Desirable greens for salad; resembles sour grass in flavor. Pkt., 5c.; 1oc. ½ oz.; oz., 15c.; 4oc. ¼ lb.; lb., \$1.25.

SWEET BASIL HERB (Annual)

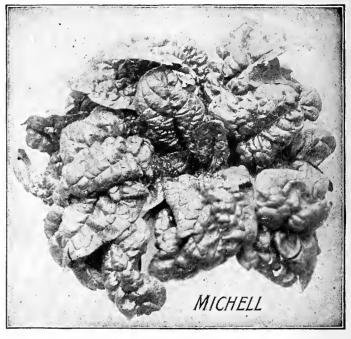
A valuable herb for flavoring various dishes. Pkt., 5c.; 10c. per ½ oz.; per oz., 20c.

SAVORY HERB

Summer (Annual). A popular kitchen herb used in flavoring, etc. Pkt., 5c.; 1oc. per ½ oz.; per oz., 2oc.

Winter (*Hardy*). Pkt., 5c.; 15c. per ½ oz.; oz., 3oc.

Plants of Summer Savory. 15c. each; doz., \$1.20; 100. \$7.00. Plants of Winter Savory. 25c. each; doz., \$2.50; \$15.00 per 100.



Michell's Improved Strain Bloomsdale Spinach

SWEET MARJORAM HERB (Annual)

Imported Strain. Used in the kitchen for flavoring. Pkt., 5c.; 10c. per large pkt.; oz., 20c.

American Strain. This yariety is a much larger type and an improvement on the above. Pkt., 10c.; 20c. per ½ oz.; per oz., 40c.

Plants of Sweet Marjoram. 15c. each; doz.; \$1.20; 100, \$7.00.

MICHELL'S CRACKERJACK TOMATO

(STILL A LEADER)

The "distinctive" qualities of "Crackerjack" are numerous.

The earliest Tomato to ripen in Pennsylvania.

A continuous bearer, producing fruits right up till frost.

The most abundant producer of any tomato we know.

An absolutely smooth fruit, colored equally alike.

Never cracks, except when over-ripe and left on vine. All fruit is of even size, and every

fruit can be used.

Grows in clusters from 5 to 10 perfect tomatoes.

Fruit is of medium size and of a brilliant rich scarlet.

Fruit when cut discloses solid meat and little seed.

Its flavor is very agreeable and a favorite with everybody.

The firm flesh makes it an ideal shipper.

"Crackerjack" for the home garden. We highly recommend this variety

for forcing under glass. Per pkt., 15c.; 25c. for 2 pkts.; 1/2 oz., 30c.; 60c. per oz.

Extra strong pot-grown "Cracker-jack" Tomato plants (Ready in May). 8c. each; doz., 75c.; 100, \$5.00.



Michell's Crackerjack Tomato

MICHELL'S CHOICE TOMATO SEED

One ounce will produce 3500 plants; 1/4 lb. will provide enough for an acre.

Sow in the house or hotbed about March 1st, transplant when 3 inches high, and again later to produce vigorous specimens. Set plants outdoors about May 1st in rows 3 feet apart, 18 inches in the row or in hills 4 feet apart each way. Properly grown tomato plants should be supported. Cultural Leaflet No. 129 covers tomato growing fully, ask for a free copy.



Michell's "Private Stock" Stone Tomato

EARLY VARIETIES

Beauty. One of the largest bright red tomatoes, solid and meaty, quite early. Pkt., 5c. and 10c.; 25c. per oz.; ¼ 1b., 85c.; \$3.00 lb.

Bonny Best. One of the best and most prolific of early tomatoes. The size is not so large but it is very solid and evenly formed. Color, a beautiful bright red. Pkt., 10c.; 15c. per ½ 0z.; 0z., 30c.; \$1.00 per ½ lb.

Earliana (Spark's). The most prolific early tomato ever produced. Grows in clusters; medium in size; solid and most desirable. Pkt., 10c.; 15c. ½ 0z.; 0z., 30c.; 85c. ½ lb.; lb., \$3.00.

Early Jewel (Chalk's). A favorite variety with the market gardener. Color, a bright red; solid and good shipper. Pkt., 10c. 11c. per 14.03. per 02. \$1.00 per 14. lb.; per lb. \$2.50.

10c.; 15c. per ½ oz.; per oz., 30c.; \$1.00 per ¼ lb.; per lb., \$3.50. June Pink. One of the recent introductions in tomatoes. In habit it is very much like Earliana, but a beautiful pink color instead of red. 10c. pkt.; per 1/2 oz., 15c.; 30c. per oz.; per 1/4

lb., 85c.; \$3.00 per lb.

Michell's Crackerjack. This is one of the best early tomatoes for the home garden, its productiveness is wonderful, it is quite free from acid and of a convenient size. Color, rich red and produced in clusters. Be sure and try it if you have not already ordered. Pkt., 15c.; 25c. for 2 pkts.; ½ oz., 30c.; 6oc. per oz.

LATER AND GENERAL CROP VARIETIES

Dwarf Champion. A distinct type, the plant looks like a miniature tree; very dwarf and compact; color of fruit, bright

red and very solid. Pkt., 5c.; 15c. per ½ oz.; per oz., 25c.; 85c. per ¼ lb.; per lb., \$3.25. **Dwarf Stone.** A dwarf compact growing plant, yielding a large crop of medium-sized very solid tomatoes. Color, bright large crop of medium-sized very solid tomatoes. Color, bright red. The plant is very distinct and upright. Pkt., 10c.; 15c. per ½ oz.; per oz., 3oc.; 8oc. per ½ lb.; per lb., \$3.00. **Dwarf Giant.** A dwarf type of the true Ponderosa; very

meaty, of rich purple red, gigantic size, a fine shipper. 10c. pkt.; ½ oz., 2oc.; 35c. oz.; ¼ lb., \$1.25.

Golden Queen. Large yellow fruit. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 85c.; \$3.00 per lb.

Greater Baltimore. An excellent canning or market variety,

very large and solid general crop, rich color and of uniform size. 10c. pkt.; ½ 0z., 15c.; 30c. 0z.; ¼ lb., \$1.00.

Livingston's Globe. A handsome variety, especially adapted to slicing; very solid; color a handsome red and a great producer; one of the best general crop varieties. Pkt., 10c.; 15c. ½ 0z.; 30c. per 0z.; per ¼ lb., \$1.00; \$3.75 per lb.

Matchless. Large red fruit, general crop. Pkt., 5c.; ½ 0z., 15c.; 0z., 25c.; ¼ lb., 85c.; \$2.75 per lb.

LATER AND GENERAL CROP VARIETIES—(Continued) Michell's Improved Globe. One of the largest and heaviest

tomatoes on our list, the shape is rather oblong so that for slicing it cuts more from a fruit than any other variety; absolutely smooth, never cracks and colors right to the stem. Pkt., Ioc.; 20c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.

Ponderosa. The largest tomato in existence; a beautiful red color; heavy producer, and of even form. Pkt., toc.; 20c. per ½ oz.; per oz., 40c.; \$1.35 per ½ lb.; per lb., \$5.00.

Red Rock. One of the most solid varieties, medium size and of a brilliant red color, a fine one for the home or market garden; medium early. Pkt., 10c.; 15c. per ½ 0z.; 0z., 30c.

Stone (Michell's Private Stock). A very careful selection of the old favorite Stone. The fruits are larger, more even, and produced in greater abundance. One of the best allround tomatoes on the market. Pkt., 10c.; 20c. per ½ oz.; per oz., 40c.; \$1.25 per ¼ lb.; per lb., \$4.00.

Stone (Usual Strain). Pkt., 5c. and 10c.; 15c. per ½ oz.; per oz., 25c.; 75c. per ¼ lb.; per lb., \$2.75.

FORCING TOMATOES

While especially adapted for growing under glass during the winter, they succeed outdoors quite well, and have one especially valuable feature, being extremely early.

Balch's Fillbasket. Fine forcer; medium sized fruits, very

prolific. Pkt., 15c.; 25c. per ½ oz.; oz., 5oc.; \$1.75 per ¼ lb. Sutton's Best of All. One of the finest varieties in use in

England, and the seed we offer is grown from Sutton's original stock. The fruit is medium sized, and of an intense red color, containing but few seeds, it is produced in clusters of from 3 to 6 fruits. Pkt., 10c.; 25c. ½ oz.; oz., 50c.; \$1.75 per ¼ lb. Comet. A cluster averages 6 tomatoes of medium size of the

brightest red, ripening up to the stem. One of the first to ripen and continues in bearing for a long while. Pkt., 10c; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

Sutton's Eclipse. A very smooth fruit, borne singly on plants which produce little foliage, a good point in a forcing tomato, vermilion red color; original packets, 5oc.

Stirling Castle. A splendid medium sized greenhouse variety. Pkt., 15c.; 25c. per ½ oz.; oz., 5oc.

SMALL FRUITED TOMATOES

These are very decorative in the garden, as well as highly desirable for preserving on account of their freedom from acid.

Red Cherry. Pkt., 5c.; ½ oz., 15c.; 25c. oz.; ½ lb., 75c.; \$2.50 per lb.

Red Peach. Of peach form and color. Pkt., 5c.;

15c. ½ oz.; oz., 25c.; 85c, ¼ lb.

Yellow Pear or Plum. Pkt., 5c.; 15c. ½ oz.: oz., 25c.; ¼ lb., 75c.; \$2.50 per lb.

Strawberry or Husk. Pkt., 5c.; 15c. ½ oz.; oz., 25c.; ¼ lb., 85c.; \$2.75 per lb.

TOMATO PLANTS

(Ready in April)

Model Tomato Support

Doz. Hotbed=Grown \$0.25 \$1.25 \$8.00 37.50 4.50

TOMATO SUPPORTS

Larger plants, better and more fruit is obtained when tomatoes are supported. They pay for themselves the first season.

Model Wire. Each, 25c.; doz., \$2.75; \$18.00 per 100.

PLANT PROTECTORS (For Tomatoes Especially)

On page 45 is described, illustrated and priced a splendid practical device for putting on such plants as Tomatoes which permits of them being set out at least 10 days earlier than usual; if you will use some of them it will mean an early garden.

TESTIMONIAL ON MICHELL'S TOMATO SEED

New Haven, Conn.

I took first prize at the New Haven Horticultural Society Exhibition on September 16 with Tomatoes from your seed, "Golden Queen and Michell's Private Strain Stone." All seeds and plants I have had from you have turned out very well. (Signed) DAVID WYLLIE.

MICHELL'S RELIABLE VEGETABLE SEEDS 44

TARRAGON

This does not produce seed, but we offer choice plants. These are hardy if given picnty of protection in winter. Do not plant them in an exposed place. Extra large plants, 25c. each (by mail, 30c.); per doż., \$2.50; \$17.50 per 100.

YME (English Broad Leaved)

This is almost an indispensable herb; once planted it remains permanent for years. Pkt., 5c. and 10c.; 15c. per ½ oz.; per oz., 30c.

THYME PLANTS

Large clumps of the above variety for those who want immediate results, 15c. each; per doz., \$1.20; \$7.00 per 100.

TOBACCO SEED

Connecticut\$6			\$0.25
Havana	.Io	.20	.40
Pennsylvania	OI.	.15	.25
Special price on larger quan	titics.		

TURNIP AND RUTA BAGA

Herbst Rüben (Ger.) Navet (Fr.)

One ounce of seed for 100 feet drill; two lbs. per acre, broadcast

For early use sow the small sorts as soon as the ground can be worked in the spring in drills fourteen inches apart. Ruta Bagas thirty inches. As the seed is fine it should be covered but slightly, except in very dry weather. Do not sow too thickly, so the roots can develop. For fall and winter use the early kinds should be sown from the middle of July to the middle of August and Pale Regarkton the middle of June to the fifteenth middle of August, and Ruta Bagas from the middle of June to the fifteenth of July.



SPECIAL NOTE on "Ruta Bagas"

Customers frequently complain that Ruta Baga grows too long in shape, rather than in a round form. Careful inquiry has developed the fact that this is caused by sowing the seed too early.

In the locality of Philadelphia and New York the seed should not be sown until August 1st, when it will invariably develop perfectly globular formed roots. Seed sown earlier than this invariably produces the long shaped roots with long stems.



Private Strain Improved Purple Top White Globe Turnip

TURNIP

Aberdeen. A flat yellow variety, a good winter keeper. Pkt., 5c.; 1oc. per oz.; per 1/4 lb., 25c.; per lb., 65c.

Cow Horn. A long white variety used for soiling and stock feeding. Pkt., 5c.; 1oc. per oz.; per 1/4 lb., 2oc.; 6oc. per lb,

Early White Flat Dutch. A good variety for early spring sowing, matures quickly. Pkt., 5c.; 10c. per oz.; per 1/2 lb., 25c.; 35c. per ½ lb.; per lb., 70c.

Early Purple Top Flat. The most popular variety in cultivation, a large yielder, well flavored. Pkt., 5c.; 10c, per oz.; per 1/4 lb., 25c.; 65c per lb.

Purple Top White Globe. A large perfect shaped sort, the skin is purple at top and white at bottom, very sweet. Pkt., 5c.; 10c. per oz.; per 1/2 lb., 25c.; per lb., 75c.

Purple Top White Globe. (Private stock.) This is a careful selection of the above variety, especially adapted for private gardens. Pkt., 5c. and 10c.; 15c. per oz.; per 1/4 lb., 35c.; per Īb., 1.00.

Robertson's Golden Ball. A globular-shaped sort, with deep yellow flesh. Pkt., 5c.; 10c. per oz.; per 1/4 lb., 20c.; 30c. per 1/2 lb.; per lb., 6oc.

Snowball. A pure white globe variety, very early; Pkt., .5c.; Toc. per oz.; per 1/4 lb., 20c.; 35c. per 1/2 lb.; per lb., 60c.

White Milan. A handsome flat sort, grand for very early use, sweet and tender. Pkt., 5c.; 10c. per oz.; per 1/4 lb., 25c.; 85c.

Yellow Globe or Amber. Shaped like the Purple Top Globe, but the color is like that of a Yellow Ruta Baga. Pkt., 5c.; ioc. per oz.; 20c. per 1/4 lb.; per 1/2 lb., 35c.; per lb., 6oc.

WORMWOOD

A medicinal herb of great value. Perfectly hardy with slight protection. Pkt., 5c. and 10c.; 15c. per 1/2 oz.; per oz., 25c.

Michell's Private Strain Ruta Baga

RUTA BAGA

Private Stock Purple Top Yellow. This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. It brings a high price when sold in the market on account of its shape. Pkt., 5c.

and 10c.; 15c. per oz.; ¼ lb., 35c.; \$1.25 per lb.; 5 lbs. for \$5.00. Improved Purple Top Yellow. This variety is the same color as the above, except the shape is more oblong. It is very desirable for stock feeding. Pkt., 5c.; 10c. per oz.; per ¼ lb., 25c.; 75c. per lb.; 5 lbs. for \$3.00.

Ball Celery Handler

MICHELL'S GARDEN SPECIALTIES



The Ball Plant Protector

THE BALL PLANT PROTECTOR

For use in the garden; gives ample protection to tender plants such as tomato, cucumber, melon, egg plants and the like. It will allow you to set these out several weeks earlier than would otherwise be possible which means they will produce sooner. Splendid also for shading newly set plants from the sun rays. Made with strong wooden frames and good muslin; when not in use can be nested and put away, taking up very little space. The projection shown at the bottom of the device serves to anchor it in the soil; there is nothing about them to break and they will last many years; they are the invention of and have been in use by a practical gardener and many others for a number of years.

Not less than 6 Protectors of a size can be supplied. Shipment by express or freight only.

		. Per 6	Per 12	Per 48
No. 1.	9 in. diam.	12 in. high	\$2.50	\$ 9.00
No. 2.	12 in. diam.	15 in. high 1.60	3.00	11.00

THE BALL LIGHTNING CELERY BLEACHER

A practical inexpensive device for bleaching celery early, made of stiff, heavy paper; celery will bleach in 10 days without soil being drawn to the plant. The bleacher when used on the sur-

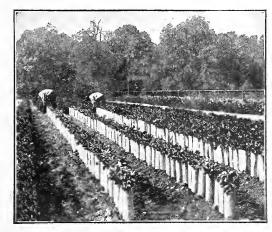
face as the illustration shows can be used several times. A boy can put them on the plants at the rate of from 3000 to 5000 per day, so the work end is small. If the tubes are to be left on the plants all winter and the soil drawn around them they can be used once only, but you get celery clean and sweet, ready for the table almost without washing. For producing early celery nothing surpasses these tubes. Send for descriptive circular.

No.	ı.	6x12 in.	Weight 1	oer	100	8	lbs.	**************************************	Per 100 \$1.75	\$T4.00
4.6	2.	6½x13	• •	"	"	IO	"	I.I5	2.00	16.00
"	3.	7×14	6.6	"	"	14		I.25	2.25	18.00

Not less than 50 bleachers of a size sold; 500 of a size at 1000 rate.

THE BALL LIGHTNING CELERY HANDLER (All Brass)

To enable the bleachers to be put around the plants quickly. \$3.50 each.



The Ball Celery Bleacher as it looks in the garden



For vegetables, ALPHANO is ideal. This celery was ready on June 26th) Its quick growth induced by the abundant Alphano food, produced solid stalks of delicious flavor and crackly crispness.

ALPHANO HUMUS (For the Vegetable Garden)

The reason many vegetable gardens do not give the maximum of returns is because the soil lacks vegetable matter (Humus), probably one of the most essential needs. Soil without bacteria organic matter is not usually very productive and yet that is just the condition soils get into if you pile in only commercial fertilizer and leave humus out. Barnyard manure is extremely scarce now, so that with the combination of commercial fertilizers and humus we get a balanced plant food, which means big crops of early vegetables. You can't introduce weeds into the soil either when you use "Alphano" which is another valuable point. Humus helps to make light soils heavier, and heavy soils more porous, it promotes early, rapid and continuous growth until harvest time. When you make your hotbed incorporate Alphano into the soil liberally, when you sow peas or beans, plant corn and set out vegetables, let a good big application of humus go into the hole or furrow. Humus is rich in nitrogen, phosphoric acid and potash, it's a natural fertilizer, cannot burn or injure seeds or plants. Buy it by the sack or more; it keeps indefinitely and is mighty handy to have when you want to make a quick application to some plant that is not just doing right. "Buy to-day." Natural humus is the material as it is dug, merely screened. Prepared humus has some fertilizing ingredients added thereto, to increase the analysis.

PRICES ON HUMUS F. O. B. PHILADELPHIA

Prepared Alphano	5 lbs. \$0.25	25 lbs. \$0.65	50 lbs. ∦1.00	\$1.25	\$6.00	1000 lbs. \$10.00	\$16.50
Natural "				1.10	5.00	8.50	14.00

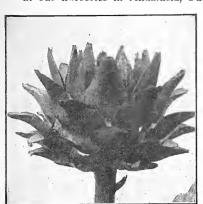
PRICES ON HUMUS F. O. B. FACTORY

				Carload	Carload
				in Bags	in Bulk
	100 lbs.	500 lbs	1000 lbs. Ton	Per Ton	Per Ton
Prepared Alphano	\$1.00	\$5.00	\$7.00 \$13.00	\$10.00	\$8.00
Natural "				7.00	

Note.—The smallest car of Humus in bags is 20 tons, the smallest car in bulk is 30 tons. Not less than 100 lbs. of Natural Humus can be supplied.

46 MICHELL'S VEGETABLE and HERB PLANTS and ROOTS

Our stock of this class of plants and roots is of unusual value; we make a great specialty thereof, producing most of them at our nurseries in Andalusia, Pa.



ARTICHOKES

(Ready in April)

Green Globe (see cut), Pot grown. \$1.50 per doz.; 25 for \$2.50; \$10.00 per 100 (by express only). Jerusalem. Sometimes called the American Artichoke, used for table and stock feeding. Cultural and cooking methods of Artichoke are fully explained in Leaflet No.

101. 15c. qt.; peck, 75c.;

\$2.75 per bu.

(Green Globe Artichoke)

ASPARAGUS ROOTS (Ready from October 15th to May 15th)

The handling of this crop is carefully described in our leaflet on Asparagus Culture, which is mailed free or included with orders, if asked for. The two-year old roots usually produce orders, if asked for. two years after planting, the three-year old may be cut lightly one year after planting.

	2-Y	ear Old	Roots	3-Ye	ar Old	Roots
Giant Argenteuil. Violet						1000
and white\$	00.I	\$4.00	\$ <i>7</i> .50	\$1.75	\$7.50	\$15.00
Barr's Mammoth. Dark						
green	1.00	4.00	7.50	1.50	6.50	12.50
Columbian Mammoth						
White. Pure white	00.1	4.00	7.50	1.50	6.50	12.50
Conover's Colossal. Light						
green	1.00	4.00	7.50	1.50	6.50	12.50
Palmetto or Eclipse. Light						
green	1.00	4.00	7.50	1.50	6.50	12.50

BRUSSELS SPROUTS (Ready in July)

Matchless Improved Hot Bed Grown. 25 for 20c.; 50c. per 100; per 1000, \$3.50. If wanted by mail, add 15c. per 100 for postage.

CABBAGE PLANTS

(Ready in season according to variety beginning April 1st)

Early Sorts. From hot beds Wakefield, All Winnigstadt, Head. Ready April 15th. 50c. per 100; per 1000, \$4.00.

Early Sorts. Sturdy plants from cold frames. Ready April 1st, in Wakefield and All Head varieties only. 75c. per 100; per 1000, \$6.00.

ate Sorts. Ready July 1st in Late Flat Dutch, Danish Ball Head, Drumhead Savoy, and Late Sorts. Red Dutch Drumhead varieties only. Per 100, 50c., \$3.50 per 1000.

If cabbage are wanted by mail, add 15c. per 100 for postage.



Asparagus

CAULIFLOWER PLANTS (Ready about April 1st) 100

P. P. Wt. Doz. Snowball variety. Plants, hot beds 1 lb. \$0.25 \$1.50 Snowball variety. Pot-grown plants 4.75

CELERY PLANTS (Ready in July)

Extra. selected well grown, sturdy stock grown at our own plant establishment in the following varieties: White Plume, Dwarf Golden Heart, Giant Pascal, Boston Market, Winter Queen. 50c. per 100; 500 for \$2.25; \$4.00 per 1000. Golden Self Blanching. Grown from French seed. 60c. per

100; \$2.75 per 500; per 1000, \$5.00. If Celery Plants are wanted by mail, add 20c. per 100 for

postage.

CHAMOMILE

Extra strong pot-plants, 15c. each; doz., \$1.20; \$7.00 per 100.

(Ready in April) Hardy and will last for years.

Strong Plants, 15c. each; doz., \$1.20; \$8.00 per 100. Allow 5c. each for mailing if wanted by parcel post.

EGG PLANTS

(Ready after May 15th)

These are grown in potgrown stock only. York Improved and Black Beauty. 6c. each; 65c. doz.; \$5.00 per 100.

HOP VINE (Hardy)

Besides being used in culinary and medicinal ways, this makes a valuable shade plant, placed on arbors, trellis, etc. A Clump of Chives
Strong Pot-Grown Plants. 15c. each; doz., \$1.25; 100, \$7.00.

HORSE RADISH ROOTS (Ready in March)

Maliner Kren (Bohemian). Large, strong cuttings, 25c. per doz.; per 100, \$1.00; \$7.50 per 1000.

Regular variety. Doz., 15c.; 6oc. per 100; per 1000, \$5.00. If Horse Radish are wanted by mail, add 10c. per 100 for postage.

LAVENDER (Ready in April)

Used for its flowers, which when dried, are strewn among clothing to keep away moths. Pot-grown plants. 20c. each; per doz., \$2.00; \$12.00 per 100. If wanted by mail, add 5c. for

LETTUCE PLANTS

We can supply these at all seasons in Heading Varieties; our selection. 50c. per 100; \$4.00 per 1000. If wanted by mail, add Ioc. per 100 for postage.

MINT (Hardy) (Ready in April)

The plants are hardy and when once established remain for years. Pot-grown plants.

Spearmint. 15c. each; per doz., \$1.20; \$7.00 per 100. Peppermint. 15c. each; per doz., \$1.20; \$7.00 per 100.

PARSLEY PLANTS

(Ready in April)
Double curled, pot-grown, ready for use, 6c. each; doz., 6oc.; per 100, \$4.75 Allow 5c. each, 25c. doz. for postage if wanted by mail

PEPPER PLANTS

(Ready in May)
Bull Nose and Long Red Cayenne varieties only. Pot-Grown Plants. per doz.; per 100, \$4.75. Hotbed Grown. 25c. per doz.; per 100, \$1.50.

PENNYROYAL

(Ready in April)
A medicinal herb, used for various purposes. Pot-Grown Plants. ISC. each; \$1.20 doz.; per 100, \$7.00.

ROSEMARY

(Perennial) (Ready in April)!
Used extensively for various medicinal purposes. Pot-grown plants. 20c. each; doz., \$2.00; \$12.00 per 100.



MICHELL'S VEGETABLE and HERB PLANTS and ROOTS 47



RHUBARB ROOTS (Ready from October to May 15th)

Victoria First Size Roots. 15c. each; \$1.25 per doz.; per 100, \$7.00. Allow 5c. each or 25c. doz. for postage, if wanted by

Victoria Extra Large Clumps for Planting out or Suitable for Forcing. 25c. each (not mailable); \$2.50 per doz.; 25 for \$4.25; \$15.00 per 100.

SAGE (Hardy) (Ready in April)

Holt's Mammoth. Large leaved variety, used in gravies, stews and also for medicinal purposes. Pot-grown plants. 15c. each; per doz., \$1.20; \$7.00 per 100.

(Ready in April)

A popular herb, used in flavoring, etc. Pot-grown plants. Summer Variety (Annual). 15c. each; doz., \$1.20; 100, \$7.00. Winter Savory (Hardy). 25c. each; doz., \$2.50; 100, \$15.00.

SWEET MARJORAM (Annual) (Ready in April)

American Strain. This variety is a much larger type and an improvement on the imported. Pot-grown plants. 15c. each; per doz., \$1.20; \$7.00 per 100.

SWEET POTATO PLANTS (Ready in May)

Yellow and Red Nansemond. 50c. per 100; 1000, \$3.00; (5000 lots, \$12.50). If wanted by mail, allow 15c. per 100 for postage.

TANSY (Hardy)

For medicinal purposes this herb is of great value. 15c. each; doz., \$1.20; \$7.00 per 100.

TARRAGON (Hardy) (Ready in April)

These are hardy if given plenty of protection in winter. Do not plant them in an exposed place. Extra large pot-grown plants. 25c. each; per doz., \$2.50; \$17.50 per 100.

THYME (Hardy) (Ready in April)

English Broad Leaved. This is almost an indispensable herb; once planted it remains permanent for years. Pot-grown plants. 15c. each; doz., \$1.20; \$7.00 per 100.

TESTIMONIAL.

Rancocas, N. J. Sweet Potato Plants arrived in fine condition and I want to thank you also for the kind attention. MRS. G. E. NYE. thank you also for the kind attention.

CHICORY OR WITLOOF

This delicious vegetable is becoming more popular each year. The roots are easily produced from seed, sown in May or June. They are taken up and wintered over, heeled in soil, or otherwise cared for in a frost-proof cellar, as one would care for Turnips, Carrots or similar crops. It is used only as a winter vegetable, the top part only being edible. While best results are obtained from planting the roots under a bench in the greenhouse, nevertheless a light, dry, warm portion of a cellar will serve the same purpose. In either case a bed of rich garden soil, about 12 inches deep, and in a size to accommodate whatever number of plants it is desired to force at one time. They should be placed about 6 inches apart each way. The top growth remains intact, as the illustration shows and may be cut any time after they have about 5 inches growth, before the heads begin to expand. Roots should be set in the soil the same depth as they were originally in the garden. A continuous supply of this delicious winter vegetable can be had from December 1st to April 1st. A cold frame makes also an ideal place for forcing them in the late winter or



Witloof Chicory

early spring months. Care should be taken, when grown indoors, to water occasionally, as conditions may demand. As one crop is used up, another should be planted, to secure a continuous supply. It is better, of course, if two beds are at one's disposal.

Strong roots, in stock usually until March 1st. 10c. each; doz., \$1.00; \$7.00 per 100. If wanted by mail, add 10c. per doz. and

25c. per 100 for postage.



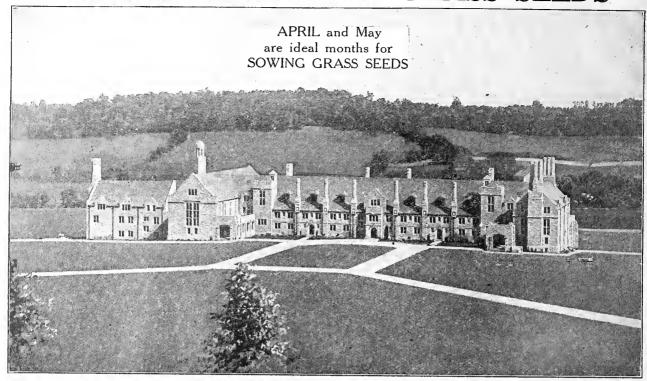
TOMATO PLANTS (Ready after April 15th)

Pot-grown plants in the following varieties only: Earliana, Stone, Dwarf Stone, Ponderosa. 6c. each; doz., 60c.; \$4.50 per 100

Extra early. 8c. each; doz., 75c.; Michell's Cracker Jack. \$5.00 per 100.

Hot bed plants in the following varieties only: Stone, Earliana, Ponderosa and Dwarf Champion. 25c. per doz.; per 100, \$1.25; \$8.00 per 1000. If wanted by mail, allow 5c. per doz. for mailing Hot Bed Grown Tomatoes; Pot-grown tomatoes cannot be mailed satisfactorily.

MICHELL'S RELIABLE GRASS SEEDS



Grounds of the new Masonic Homes, Elizabethtown, Pa. (showing Grand Lodge Hall), sown exclusively with Michell's Grass Seeds. The Committee having in charge the installation of the buildings and the arrangement of the grounds, after exhaustive inquiry and reports on purity and germination tests of Grass Seeds, awarded us the entire contract for supplying Grass Seeds to sow their immense tract of lawn.

MICHELL'S LAWN GRASS SEEDS

Possibly no one in the United States specializes more in grass seeds for lawns, pleasure grounds, golf courses, putting greens, pasture and hay fields than we. Our purchases in this commodity direct from the growers at home and Europe amounts to many thousands pounds annually. Our grass seeds are rigidly tested for purity and germination at the growing point, in the laboratories of the United States Department of Agriculture and by ourselves, and will be found of highest average. We make special formulas to suit various soil, climatic and local conditions. Our grass mixtures as sold have been based on many tests and on years of careful study, they are properly blended and will give splendid satisfaction.

MICHELL'S "TOP NOTCH" LAWN GRASS SEED MIXTURE

This mixture can justly be called the top notch of quality, and the results obtained from sowing it are so satisfactory that the price, which is slightly higher than our other formulas, is soon forgotten. It is a perfectly blended combination of quick growing, very compact, fine bladed grasses that will produce a perfect lasting turf in a few weeks, absolutely not a coarse bladed grass in it. A customer only recently told us of a visit to his estate by an expert from the United States Department of Agriculture who made the statement that his lawn, which was produced from Michell's Top Notch Grass Seed Mixture, was the most perfect he had ever seen. Not a sign of a weed and of wonderful uniformity and a beautiful deep green color.

At any price it would hardly be possible to get together a more perfect blend of thoroughly recleaned grasses than this mixture. From experiments made it seems to do unusually well under most every condition of soil, weather and climate, retaining at all times its brilliant color, and as we had frequently been asked on orders to send a lawn mixture of quality "par excellence" regardless of price, we finally decided that there was room for still greater improvement in lawns than our already high grade mixtures of grasses would produce.

Top Note, weighs 25 lbs. per bushel and we are safe in saying that it can hardly be produced elsewhere at the price we quote it. Our grass seed sales amounting to more than half million (500,000) lbs. per year, we are able to get the choice of the Grass Seed Market.

We recommend sowing this mixture at the rate of about 3½ to 4 bu., per acre to establish new lawns. It is not put up or sold in quantities of less than a peck. Price, \$2.00 per peck (6½ lbs.); per ½ bush., \$3.75; \$7.00 per bush. (of 25 lbs.); 2 bush., \$13.50; \$32.50 per 5 bush.; 100 lb. lots and over, 26c. lb.

TESTIMONIAL

Michell's Top Notch Grass Seed Mixture has produced for me a most wonderful lawn. I would be glad if you could come out and see it. In my judgment it would be impossible to make a better lawn. I am delighted.

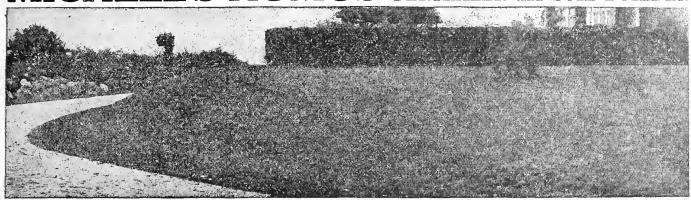
J. L. PORTER, Supt. to Percival Roberts, Jr., Esq.

TESTIMONIAL

Spring Lake, N. J.
The "Top Notch" Grass seed which Mr. Maloney procured
from your house the past spring was sown on a terrace only
a short distance from the ocean. It is a sight to behold and
the talk of Spring Lake. We are very much pleased.

THOS. BRENNAN, Head Gardener to Martin Maloney, Esq.

MICHELL'S HUMUS THE GREAT NATURAL FERTILIZER and SOIL BUILDER



A terrace lawn treated with Alphano Humus. It produces a thick growth that makes the sod stick. The terrace was enriched with ALPHANO; the rest with stable manure. Note the marked contrast.

PREPARED ALPHANO HUMUS "THE IDEAL SOIL ENRICHER"

Has been on the market—in successful use for ten years.

It is prepared from a rich deposit of decayed vegetable and animal matter. In its course of preparation for use as a soil builder and enricher, it is composted for a long period, and supplied with all the legume and other beneficial soil bacteria. 80% of the moisture is driven out, and a liberal quantity of rich, concentrated plant foods and bacterial nutriments of highest fertilizing value are added. It comes to you, finely pulverized, odorless, and entirely free from weed seeds.

It is rich in ammonia, phosphoric acid, potash and lime, and is lively with the various bacteria so essential to soil fertility. For lawns it is applied as a top dressing from ½ to 1 inch in depth, which should be then worked in.

If grass seed is to be sown, then is the time to apply it. On golf links it is used in a similar way.

For Flower and Vegetable garden, apply at rate of ½ to 2 inches deep, and fork it well in the soil, or apply it in trenches, the same as you would well-rotted manure.

For vegetables, ALPHANO is ideal. For vegetables, ALPHANO is ideal. This celery was ready to cut on June 26th. Its quick growth induced by the abundant Alphano food, produced solid stalks of delicious flavor and crackly crispness.

Glimpse of a Fair Way and Putting Green on the Pine Valley Golf Course is shown here on the right. The soil here is white sea sand. The splendid sod was produced and is kept in finest shape by the use of Alphano as a soil mixture and a top dressing,

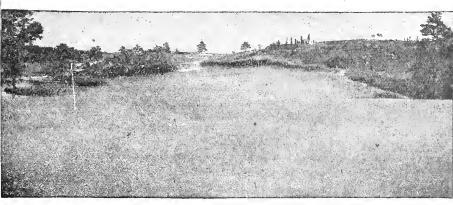
It is used extensively by 13 out of the 16 golf clubs in and around Philadelphia.

For pot plants, mix about 1/3 of the Alphano with 2/3 of regular potting soil. A ton of Prepared Alphano Humus is equal to nearly 2 cubic yards. For top dressing lawns an application of 100 lbs. every 800 sq. feet will be effective. For distribution in large quantities, say ½ inch thick, 30 tons is required per acre; if 1 inch thick application is desired, 60 tons per acre; if 2 inches thick, 120 tons per acre.

We caution you to beware of the many so-called "Humus" fertilizers recently put on the market; offered under various names, at prices closely approximating the cost of the original "Prepared Alphano Humus," but which are simply swamp muck, fresh from its watery bed and of no more use than so much saw dust.

NATURAL HUMUS

You will get your money's worth in our Natural Humus, which is rich soil Humus, sun dried, disintegrated and composted, but with no additional treatment. While this may answer for some purposes, we wish to impress upon you, ment. While this may answer for some purposes, we wish to himpeles that Prepared Alphano Humus is worth much more than the difference in price,



PRICES ON HUMUS F. O. B. PHILADELPHIA

5 lbs. 25 lbs. 50 lbs. 100 lbs. 500 lbs. 1000 lbs. Ton Prepared Alphano \$0.25 \$0.65 \$1.00 \$1.25 \$6.00 \$10.00 \$16.50 1.10 5.00

Carload Carload in Bags in Bulk Per Ton Per Ton Ton

\$8.00 \$10.00 3.50 5.00

PRICES ON HUMUS F. O. B. FACTORY

Note the smallest car of Humus in bags is 20 tons, the smallest car in bulk is 30 tons.

Note.—Not less than 100 lbs. of Natural Humus can be supplied.





MICHELL'S SHADED LAWN GRASS SEED

Shaded Locations produced by overhanging large trees, shrubbery, buildings, etc., have often been found difficult to keep in grass. We have made a special study of such conditions and after extensive experimenting have combined a mixture of grasses that will produce perfect swards in the most densely shaded places. It must be borne in mind that too much shade creates sour soil and to guard against this, apply air-slaked lime (or land plaster where the former is not available) at a rate of I bushel to each 1000 square feet. Lime should be applied about every three years only, while land plaster may be applied periodically during the summer. Frequent fertilizer applications, such as bone meal or sheep manure, are a great help in establishing a thick, healthy growth of grass in shaded places. Sow seed at the same rate as recommended for Green Velvet Grass on page 50. This mixture weighs 20 lbs. per bushel and will prove to be a remarkable success. I pt., 15c., P.P. Weight, ½ lb.; I qt., 25c., P.P. Weight, 1 lb.; 2 qts., 45c., P.P. Weight, 2 lbs.; 4 qts., 85c., P. P. Weight, 3 lbs.; peck (5 lbs.), \$1.25; bush., (20 lbs.), \$5.00; 5 bush., \$24.00; 100 lb. lots and over, 24c. lb.

MICHELL'S WOODLANDS GRASS MIXTURE

At the instance of various customers on several occasions, it had been suggested that we list a grass formula for sowing in woodlands. After several tests, carefully followed up, we have arrived at a mixture of hardy grasses, that have given splendid satisfaction. It is especially adapted for thickly wooded locations (Norway Maples and Pine Trees excepted). In 6 to 8 weeks in normal weather conditions it will produce growth ready for the lawn mower. Persons desiring a grass mixture, that will do well in conditions such as we have described, will get splendid satisfaction from Michell's Woodlands Formula. On new ground sow at the rate of 4 bushels per acre; for renovating old land, 2½ bushels per acre. \$1.00 per peck (5 lbs.); per bushel of 20 lbs., \$4.00; \$19.50 for 5 bush.; 100 lbs. and over at 19½c. lb.

MICHELL'S EVERGREEN LAWN GRASS SEED

Where soil conditions and weather are ideal this mixture will in most cases produce a green sward in three to four weeks. It is composed of the finest native and foreign short growing and fine bladed lawn grasses and will form a turf which can only be approached for quality by a covering of real velvet. The quantity required to sow a given space is the same as that recommended for Michell's Green Velvet on page 50. It weights 20 lbs. per bushel and every kernel is full of vitality. Prices: pt., 15c., P.P. Weight, ½ lb.; qt., 25c., P.P. Weight, 1 lb.: 4 qts., 75c., P.P. Weight, 3 lbs.; peck (5 lbs.), \$1.00; bush. (20 lbs.), \$4.00; 5 bush., \$19.50; 100-lb. lots and over, 19½c. lb.

MICHELL'S CLOVER LAWN GRASS

The increasing demand for a grass seed mixture, containing a larger proportion of White Lawn Clover induced us to offer this brand. After extensive trials we have produced a mixture of grasses, mixed with a most liberal quantity of the best recleaned White Clover, which is peculiarly suited to take firm hold and grow quickly on hard, worn-out or burned spots. The best time to re-sow such places is very early in the spring, but seed may also be sown with good results in the fall. Michell's Clover Lawn Grass should also be sown before every summer rain on thin places; splendid for seashore lawns. Pint 30c.; 50c. per qt.; 2 qts., 90c.; \$1.75 for 4 qts.; per peck, \$3.00; \$11.50 per bushel.

Estates.



View of Hotel Cape May, Cape May, N. J., showing lawn seeded with Michell's Seashore Lawn Grass Seed, offered below. This lawn is within one hundred feet of the Atlantic Ocean, and is one of the many remarkable pieces of turf that have been produced with our lawn grass seed.

MICHELL'S SEASHORE LAWN GRASS SEED

The problem of establishing a good lawn at the Seashore frequently causes concern. If 3 or 4 inches of top soil is spread over the surface, and well firmed, an application of Michell's Special Formula Seashore Lawn Mixture will produce a good lawn in 6 to 8 weeks. An occasional application of pure Sheep Manure during the spring, summer and fall months will increase the strength and color of the grass. Our Formula has been thoroughly tested out in various localities, especially at the Atlantic seaboard resorts, and has given splendid satisfaction. If the soil is exceptionally poor, and it is not possible to apply a layer of topsoil, white Clover will help to make the sod thick and also protect the grass. Sow 4 bushels per acre, in making new lawns, or 2½ bushels per acre, in renovating old lawns. Per qt., 25c., P. P. Weight, 1 lb.; 45c. for 2 qts., P. P. Weight, 2 lbs.; 4 qts., 85c., P. P. Weight, 3 lbs.; \$1.25 per peck; per bushel, of 20 lbs., \$5.00.; \$24.00 per 5 bushels; 100 lbs. and over, 24c. per lb.

MICHELL'S GREEN VELVET LAWN GRASS SEED

This mixture has stood the test of every clime and region in the United States. It is the result of many years of untiring study, labor and experimenting, coupled with the endeavor to give the man with a lawn a grass seed mixture which will produce a perfect turf. It is composed of close growing, fine leaved hardy grasses which will stand wear and tear, and outlive the severest winter, retaining at all times its lustrous green color.

Michell's Green Velvet Grass Seed weighs 20 lbs. per bushel. This fact alone is proof of its purity.

Quantity to sow. You cannot sow too much, the more the better, it means a quicker, more satisfactory and lasting result. We recommend, on new ground, to sow as follows: 1 qt. on 100 sq. feet (10 x 10); 4 qts. on 600 sq. feet (20 x 30); 1 peck on 1,500 sq. feet (30 x 50); 1 bushel on 7,000 sq. feet

(70 x 100); 5 to 6 sushels per acre for best effects.

Prices: 1 pt., 20c. (P. P. Wt., ½ lb.); 1 qt., 30c. (P. P. Wt., 1 lb.); 4 qts., 85c. (P. P. Wt., 3 lbs.); 1 peck \$1.25 (P. P. Wt., 5 lbs.); 1 bu. (20 lbs.) \$5.00; 5 bu., \$24.00; 100-lb. lots and over, 24c. lb.

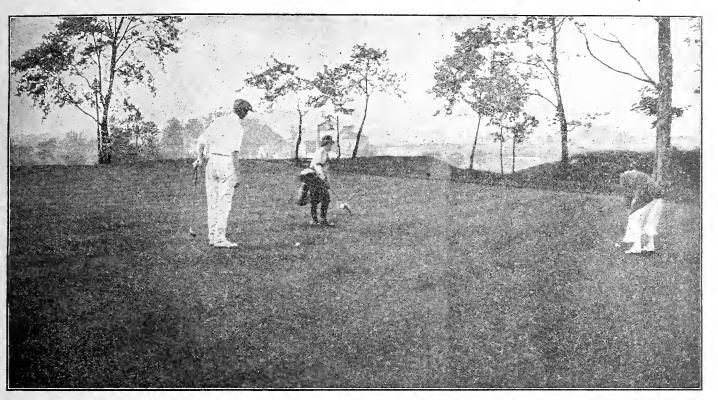
SOME PROMINENT PLACES WHERE MICHELL'S GRASS SEEDS HAVE BEEN SOWN The remarkably *Fine Lawns* seen at the Philadelphia National Export Exposition; the Pan-American Exposition, Buffalo; The Jamestown Exposition, Va.; The Lewis-Clarke Exposition, Portland, Ore, were seeded with Michell's Green Velvet Grass Seed. For years it has been extensively sown in the Public Parks and Squares of Philadelphia (including Fairmount Park), the Parks of Wilkes-Barre, Reading, Harrisburg, Peuna., on the Executive Mansion Grounds, Washington, D. C., and on thousands of Country

Choicest recleaned for sowing on lawns, pastures, etc. Sow 10 to 12 lbs. per acre (60 lbs. per bu.). 10c. 0z.; ¼ lb., 20c.; 60c. lb.; 5 lbs., \$2.80; \$5.50 for 10 lbs.; bu. (60 lbs.), \$30.00; \$50.00 per 100 lbs. WHITE CLOVER

TESTIMONIAL ON MICHELL'S LAWN GRASS

"Rosemont Farms," Berryville, Va. "I used 5 bushels of your Velvet Lawn Grass this spring in making a new piece of Lawn, and wish to say, that same came up fine, it looks like a piece of velvet. Can certainly recommend your lawn grass to anyone making a Lawn." JOHN M. MEEHAN, Supt.

Michell's Recleaned Grass Seed Mixtures For GOLF COURSES, Etc.



A Putting Green on the course of the Sunnybrook Golf Club, Chestnut Hill, Philadelphia, seeded with Michell's Grass Seeds.

MICHELL'S FAIR GREENS (Golf Course) MIXTURE The formula for this mixture was reached after a lifetime ex-

perience of the late P. F. Foy, at the time Superintendent of the Philadelphia Country Club, Bala, Pa., and we have improved it from time to time. These grounds were conceded to be and still are among the finest golfing turf in the United States; Michell's Grass Seeds have been sown there annually for many years. The mixture is composed of short-growing, deep-rooted varieties that resist plenty of wear. It retains its color well during the severest droughts. Golf courses to retain their permanency should receive additional sowings during the season to replace any weak or wornout spots. Sow 6 bushels per acre.

Prices: Qt., 25c. (1 lb. P. P. Wt.); 2 qts., 45c. (2 lbs. P. P. Wt.), 4 qts., 75c. (P. P. Wt., 3 lbs.); 1 peck, \$1.25 (P. P. Wt., 5 lbs.); 1 bu. (20 lbs.), \$5.00, 5 bu., \$22.50; 100-lb. lots and over, 22\frac{1}{2}c. per 1b.

MICHELL'S TENNIS COURT GRASS SEED MIXTURE

Grass courts are again becoming very popular. Ot., 25c.; 45c. for 2 qts.; 4 qts., 75c.; \$1.25 per peck; bu. (20 lbs.), \$4.50; \$21.25 for 5 bu.; 100-lb. lots and over, 21½c. lb.

MICHELL'S PUTTING GREEN MIXTURE

While many greens keepers prefer to make their own mixtures for this purpose, there are some who rely on the ability and experience of the seedsman. Our formula for this has been reached after many extensive tests, and those who desire to sow it will not be disappointed in the results they get from it. It is a quickgrowing mixture of short, thin-bladed grasses, over which the ball can roll without resistance. In sowing Putting Greens it is wise economy to be very liberal with the seed, as these places are subjected to continuous hard use. We do not recommend less than I bushel of 25 lbs. to a green 75 foot square.

Prices: 1 qt., 3oc. (P. P. Wt., 1 lb.); 4 qts., \$1.00 (P. P. Wt., 4 lbs.); I peck, \$2.25 (P. P. Wt., 6¼ lbs.); I bu. (25 lbs.) \$8.50; 5 bu., \$40.00; 100-lb. lots and over, 32c. per lb.

MICHELL'S TEEING GROUNDS GRASS MIXTURE

Used on golf course tees or in other places where a tough resisting turf is wanted. 25c. qt.; 4 qts, 65c.; \$1.00 per peck; 1 bu. (20 lbs.), \$4.00.

A FEW GOLF COURSES THAT ARE SOWN WITH MICHELL'S GRASS SEEDS

Altwold Country Club, N. J. Aronimink Golf Club, Pa. Belfield Country Club, Pa. Bon Air Club of Phila. Bucks Co. Country Club, Pa. Cape May Golf Club, N. J. Country Club of Bristol Tenn. Country Club of Cleveland, O. Des Moines Country Club, Ia. Euclid Club, Ohio.

Fountain Springs Golf Course, Germantown Cricket Club, Pa. Huntingdon Valley Country Club, Pa. Lansdowne Country Club, Pa. Mayfield Country Club. Mahopac Golf Club, N. Y. Merion Cricket Club, Pa.

Old York Rd. Country Club, Pa. Oltumwa Country Club, Ia. Philadelphia Country Club, Pa. Philadelphia Cricket Club, Pa. Philmont Country Club, Pa. Pine Valley Golf Club. Pillsburgh Field Club, Pa. Plymouth Country Club, Pa. Sea View Golf Club. And many others, including numerous private golf courses.

Sioux City Golf Club, Ia. St. Davids Golf Club, Pa. Sunnybrook Golf Club, Pa. Westbrook Country Club, Ohio. West Chester Golf and Country Club, Pa. White Marsh Valley Country Club, Pa. Woodbury Country Club, N. J.

A FEW TESTIMONIALS ON MICHELL'S GRASS SEEDS FOR GOLF COURSES

Marietta, Ohio.

The grass produced from your seed is coming along very nicely, we are entirely satisfied with our purchase and hope to send you some additional business.

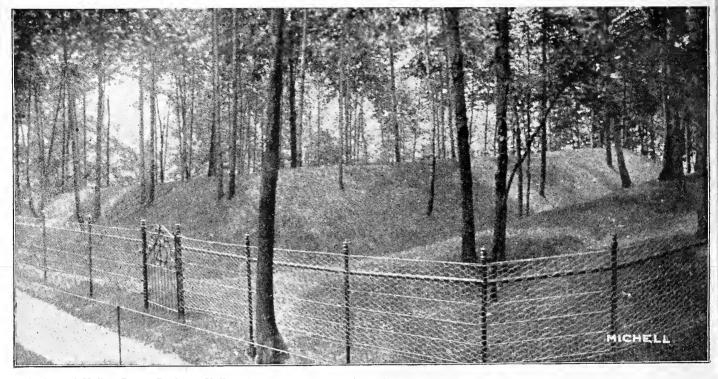
MARIETTA TOWN AND COUNTRY CLUB.

Joliet, Ill.

Last year we purchased from you some Putting Greens Grass Seed which gave us very good results. Please ship at once the quantity named below.

JOLIET COUNTRY CLUB.

52 MICHELL'S RECLEANED GRASS SEEDS for LAWNS, Etc.



A view of Valley Forge Park, at Valley Forge, Pa., seeded with Michell's Recleaned Grass Seed. Our Woodlands Grass Seed Mixture, offered on page 49, is particularly effective in locations like this.

Fairmount Park Lawn Seed. A very fine mixture indeed, meeting the requirements of those desiring a moderately priced grass seed. Sow 4 bushels to the acre on new lawns or 2½ bushels in renovating old lawns. Prices: Per qt., 20c. (P. P. Wt., ½ lb.); 35c. for 2 qts. (P. P. Wt., 2 lbs.); 4 qts., 60c. P. P. Wt., 3 lbs.); 85c. per pk. (3¾ lbs.); per bu. of 15 lbs., \$3.00; \$14.50 for 5 bu. 100-lb. lots and over, 19c. lb.

Michell's Poultry Yard Grass Seed Formula. Chickens love grass and should be placed on range, where they can get it as much as possible. Our formula germinates very quickly and makes a sod that grows luxuriantly. We put plenty of clover seed in this mixture, as it is very nutritious and the fowls relish it. 20c. per qt. (P. P. Wt., 34 lb.); 35c. for 2 qts. (P. P. Wt., 2 lbs.); 60c. for 4 qts. (P. P. Wt., 3 lbs.); 85c. per pk. (334 lbs.); bu. (15 lbs.), \$3.00.

Michell's Terrace or Embankment Grass Seed. Sow 4 bushels per acre. Per qt., 25c. (P. P. Wt., 1 lb.); 40c. for 2 qts. (P. P. Wt., 2 lbs.); 4 qts., 75c. (P. P. Wt., 3 lbs.); \$1.25 per pk. (5 lbs.); per bush. of 20 lbs., \$5.00; 5 bu., \$24.00; 100-lb. lots and over, 24c. lb.

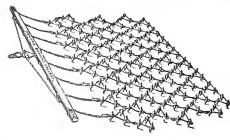
Southern States Lawn Grass Seed. Made up especially for dry hot localities, especially suited to the Southern States. 15 lbs. per bushel. Prices: 20c. per qt. (P. P. Wt., ½ lb.); 2 qts., 35c. (P. P. Wt., 1 lb.); 60c. for 4 qts. (P. P. Wt., 2 lbs.); pk. (3¾ lbs.), \$1.00; \$3.50 per bu.; 5 bu., \$16.25; 100-lb. lots and over, 2tc. lb.

Special Sod Grass Seed. A quick growing mixture, making a very tough and heavy sod in a short time; especially valuable for cemeteries, tennis courts, pleasure grounds, etc. 15 lbs. per bu. Price: 25c. per qt. (P. P. Wt., ½ lb.); 2 qts., 40c. (P. P. Wt., 1 lb.); 75c. for 4 qts. (P. P. Wt., 2 lbs.); pk. (3¾ lbs.), \$1.00; \$4.00 per bu.; 5 bu., \$18.75; 100-lb. lots and over, 25c. lb.

NOTE.—All Grass Mixtures except Putting Greens, "Fair Greens" and Tennis Court Mixtures contain white clover.

Any of them, however, can be furnished without this.

SCOTCH CHAIN HARROW



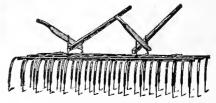
One of the best implements for pulverizing the surface soil, leveling and smoothing, and is also splendid for covering grass seeds, etc. Used on driveways and race tracks, it smooths the surface, eliminating ruts and footprints.

Weight

No. 1F.	One-horse size, 5 x 6 feet126 lbs.	\$20.00
No. 2F.	Medium two-horse, 6 x 73/4 feet236 lbs.	28.00
No. 3F.	Full two-horse size, 9 x 11 feet357 lbs.	35.00

KEYSTONE ONE-HORSE WEEDER

This is an ideal implement for covering grass seeds after sowing, just prior to rolling; also they can be used to great advantage in stirring the soil after a rain, prior to seeding, if a period of time has elapsed between ploughing, harrowing and seeding. It can be adjusted to cover a 7½-foot stretch or grad-



The Keystone Adjustable Weeder

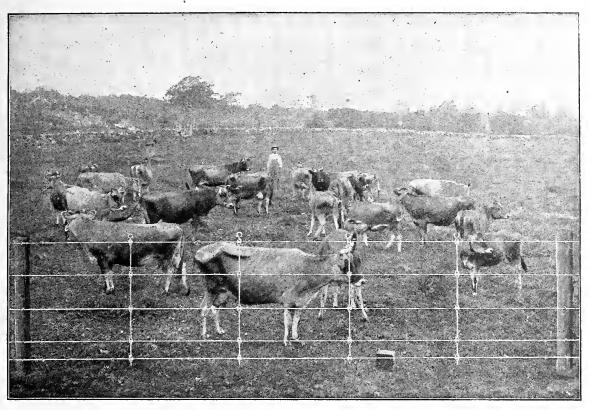
2-toot stretch or graduated down to a 2½foot stretch. Any of the teeth can easily be removed, if it is desired not to cultivate very finely. The teeth are narrow, go into the soil easily; do not cultivate deep, like other machines. Price, \$10.00.

MICHELL'S RELIABLE GRASS SEEDS

ALPHANO HUMUS

(Prepared)

Attention is again called to this excellent material offered in detail on page 45. For top dressing grass, especially on light, sandy otherwise impoverished soil it will produce marvelous results. The effects from its use are so widely different from results obtained otherwise that we cannot help but give it the greatest endorsement. If you've a lawn to establish or improve you can't go wrong in Alphano Humus. Prices f. o. b. Phila., \$1.25 per 100 lbs.; 500 lbs., \$6.00; \$10.00 per 1000 lbs.; ton, \$16.50; special price f. o. b. factory.



Michell's Permanent Pasture Grass Seed Mixture makes a nutritious feed for grazing cattle, and will grow quickly and luxuriantly.

MICHELL'S PERMANENT PASTURE GRASS SEED MIXTURE

In the past few years ideas of what was the best way to establish a permanent grazing sod have undergone many changes. The then prevalent method of sowing timothy and clover has been found not only costly but too short lived to answer the purpose. The old custom has given way to the new, which is the sowing of a mixture of permanent grasses. Michell's Permanent Pasture Grass Seed is composed of about 10 of the best growing and most nutritious grasses and clovers for stock feeding or grazing. One sowing will last many years, although we advise additional sowing each autumn, just previous to which a light harrowing is recommended to give the grass a quick hold. Sow 3 to 4 bushels per acre on new lands or 2 bushels on established pastures (15 lbs. per bushel). Prices: Per qt., 20c. (P. P. Wt., ½ lb.); 4 qts., 50c. (P. P. Wt., 2 lbs.); pk. 85c. (3¾ lbs.); bu. (15 lbs.), \$3.00; 5 bu., \$13.75; 100-lb, lots, 18c. lb.; 200-lb, lots and over, 17c. lb.

MICHELL'S PERMANENT HAY FIELD GRASS SEED MIXTURE

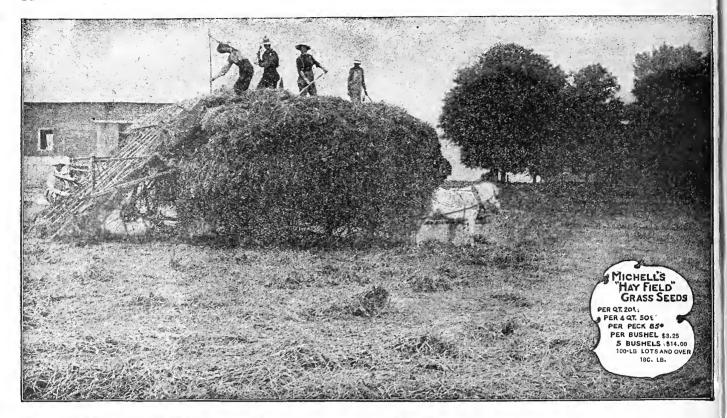
While timothy is still extensively sown for this purpose, this mixture is gradually being adopted by the progressive farmer. Its main advantages are that certain grasses in the mixture will grow better in varying conditions of soil, thus giving a full crop of hay on land that otherwise might produce but a half crop of timothy and clover. Our formula is the outcome of thorough trials in every kind of soil. Sow 3 to 4 bushels per acre on new lands, or 2 bushels on established fields (15 lbs. per bushel). Prices: Per qt., 20c. (P. P. Wt., ½ lb.); 4 qts., 50c. (P. P. Wt., 2 lbs.); peck (3¾ lbs.), 85c.; bu. (15 lbs.), \$3.25; 5 bu., \$14.00; 100-lb. lots, 18c. lb.; 200-lb. lots and over, 17c. lb.

TESTIMONIAL EXTRAORDINARY ON MICHELL'S PASTURE AND HAY GRASS SEEDS

Ardrossan Forms, Ithan, Pa.

I want to say something in regard to the grass seed which you supplied me with last autumn and the past spring. It has certainly been more than ordinarily satisfactory. Before using the seed I purchased, I had an expert examination made of the same for fertility and purity in comparison with samples from other houses, who furnished me samples of what they would supply. The examinations proved your seed to be superior in fertility and quality. As you are aware, I sowed a large acreage (some 60 acres) last autumn. Despite the unprecedented drought we had in the fall of 1914, I had an excellent harvest this year. A portion which did not pass through the winter so well owing to the drought and which I resected this spring will make a sod of the highest class, and while the ample rains we had this spring have helped considerably I am fully appreciative that the quality of the seed had much to do with the results obtained.

R. L. MONTGOMERY.



MICHELL'S RECLEANED GRASS SEEDS, in Separate Varieties

Bermuda Grass. For sowing as far North as Washington, D. C., above which latitude it is not hardy. 6oc. per lb.; 5 lbs., \$2.5o.

Blue Grass, Fancy Kentucky (Poa Pratensis). Our stock of this is extra fine, thoroughly recleaned; sow 3 to 5 bu. per acre on lawns, 2½ to 3 bu. on pasture fields (bu. 14 lbs.). Per ib., 25c.; peck, 75c.; per bu., \$2.75; \$18.00 per 100 lbs.

Blue Grass Canadian (Poa Compressa). Makes an ideal pasture highly relished by cattle; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed (bu. 14 lbs.). 20c. lb.; bu., \$2.25; \$12.50 100 lbs.

Creeping Bent (Agrostis Stolonifera). Adapted admirably for lawns, also putting greens, tennis courts, etc., sow 4 bu. per acre (20 lbs. per bu.). Price on application.

Crested Dogstail (Cynosurus Cristatus). Excellent as a pasture and lawn grass. Sow 3½ to 4 bu. per acre (21 lbs. per bu.). Price, 40c. per lb.; bu., \$7.00; \$32.00 per 100 lbs.

English, or Perennial Rye Grass (Lolium Perenne). (Pacey's Fancy Short Seeded.) This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 3 bu. per acre (24 lbs. per bu.). Price, 18c. per lb.; per bu., \$3.00; \$12.00 per 100 lbs.

Fine Leaved, or Slender Fescue (Festuca Tenuifolia). This grass is especially valuable for dry soils. Sow 3 bu. per acre

(bu. 14 lbs.). Price on application.

Herd, or Red Top Fancy Recleaned. This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 25 lbs. per acre (32 lbs. per bu.). Price, 20c. per lb.; per bu., \$5.25; \$16.00 per 100 lbs

bu.). Price, 20c. per lb.; per bu., \$5.25; \$16.00 per 100 lbs Herd, or Red Top Unhulled (Agrostis Vulgaris). Sow 4 to 5 bu. per acre on lawns or 3 bu. on pasture lands (10 lbs. per bu.) Price, 15c. per lb.; per bu., \$1.25; \$10 00 per 100 lbs.

Hard Fescue (Festuca Duriuscula). A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bu. per acre (12 lbs., per bu.). Price on application.
 Italian Rye (Lolium Italicum). Very desirable for pasture;

Italian Rye (Lolium Italicum). Very desirable for pasture; being an annual, it comes to maturity the first season. Sow 50 lbs. per acre (18 lbs. per bu.). Price, 18c. per lb.; bu., \$2.50; \$12.00 per 100 lbs.

PRICES SUBJECT TO MARKET CHANGES

Note. —If Grasses are wanted by parcel post, allow for postage when remitting.

Meadow Fescue (Festuca Pratensis). Sow 40 to 50 lbs. per acre (22 lbs. per bu.). Price, 20c. per lb.; bu., \$3.00; \$12.00 per 100 lbs.

Orchard Grass (Dactylis Glomerata). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 lbs. per acre (12 lbs. per bu.). Price, 30c. per lb.; per bu., \$3.25; \$22.00 per 100 lbs.

Red, or Creeping Fescue (Festuca Rubra). Very valuable for sowing on sandy soil and in shaded places. (14 lbs. per bu.). Price, 40c. lb.; bu., \$5.00; \$32.00 per 100 lbs.

Rhode Island Bent (Agrostis Canina). For sowing at seashore resorts, on putting greens, tennis courts, etc.; 40 lbs. per acre (14 lbs. per bu.). Price on application.

Sheep's Fercue (Festuca Ovina). This makes an excellent grass for sowing on lawns, fields, or pleasure grounds. Sow 40 lbs. per acre (12 lbs. per bu.) Price on application.

Sweet Vernal Annual. 5 lbs. per acre. Price on application. Sweet Vernal Perennial. Price on application.

Sudan Grass Seed (Annual). This belongs to the forage crops and is allied to the millets. Sow 16 to 24 lbs. per acre. 18c. per lb.; 10 lbs., \$1.50.

Tall Meadow Oat (Avena Elatior). A valuable lawn and pasture grass. Extremely valuable for use in the South. Sow 5 bushels per acre (10 lbs. per bu.). 35c. lb.; bu., \$3.00; \$25.00 per 100 lbs.

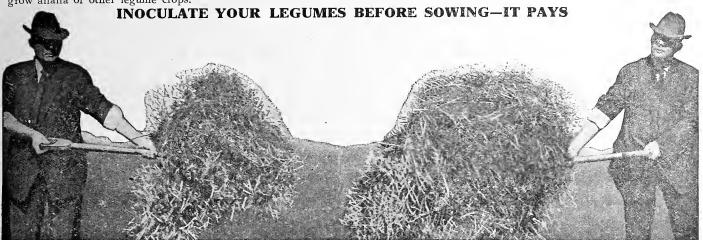
Timothy (Phleum Pratense). Sow one-half bu per acre alone (45 lbs. per bu.). 15c. per lb. Price varies constantly; ask for questations

Wood Meadow (Poa Nemoralis). The best grass for sowing under trees where a lawn is desired. Sow 30 lbs. per acre. (14 lbs. per bu.). Price on application.

NITROGEN-GATHERING BACTERIA THE WONDERFUL FERTILIZER FOR LEGUMINOUS CROPS

ALFALFA AND OTHER LEGUMINOUS FARM CROPS WILL GROW MORE ABUNDANTLY

if the soil is properly sweetened with lime and worked to a good seed bed and the seed inoculated with high-bred bacteria Without bacteria, of the proper variety, in sufficient amounts (and in an active nitrogen-gathering condition) it is impossible to successfully grow alfalfa or other legume crops.



Alfalfa from a well prepared Seed Bed-No Inoculation

Alfalfa from a well prepared Seed Bed-Inoculated with Farmogerm

The great Ferlilizer Value of Legumes depends entirely upon Inoculation with these Bacteria. 1000 to 2000 Pounds of Nitrates to the acre can be deposited in little sacks or nodules on the roots of the legumes, which will be immediately available for any following crop. Legumes embrace all of the various types of clovers, peas, beans and such other plants that have blossoms similar in shape and form to the above named. This type of plant has the ability of taking from the air vast quantities of free nitrogen, which exists there and which is not absorbed by other plants than those which belong to the legume family. This nitrogen is taken (breathed so to say) through the stems of the plant and deposited at the roots in little sacks or nodules, where it becomes immediately available as plant food in the form of nitrates The application of bacteria to the seed of these legumes when planting practically trebles the nitrogen-gathering power and for this reason we urge all planters to use it on all such occasions. Please note that the bacteria is not applicable to any other class of plant through inoculation, except as noted below; succeeding crops, though, following on ground where bacteria was used, derive tremendous benefits, as many plants that are not legumes require quantities of nitrates as plant food.

PRICES OF FARMOGERM

No. 1 for Red, White, Crimson and Alsike Clover.

No. 2 for Alfalfa or Lucerne.

No. 3 for Vetch or Canada Field Peas. No. 4 for Soja Beans and Cow Peas

when sown in mixture only.

No. 5 for Garden Peas, Garden Beans (Pole and Bush) and Sweet Peas. Complete descriptive circular on Farmogerm

Small size in No. 5 only. 25c. for Trial size; garden or ¼-acre size, for all crops as offered, 50c. (postpaid); I-acre size, \$1.50; 5-acre size, \$5.00 (P. P. Weight, 3 lbs).



Uninoculated **ALFALFA**

Photographed on same scale. Plant on left not inoculated—Plant on right inoculated with Mulford Culture for Alfalfa. All other condi-tions identified.

THE CONTRAST SPEAKS FOR ITSELF

MULFORD'S CULTURES

are scientifically prepared and tested by experts, in the biological laboratories of H. K. Mulford Co., Philadelphia, U. S. A., with the same degree of care as Mulford Antitoxins, Serums, Vaccines, etc., which are standard all over the world.

Be sure to specify the particular legume on which you desire to use the MULFORD

CULTURES, otherwise we will not know how to fill your order.

ALFALFA (Lucerne) CRIMSON CLOVER SWEET CLOVER WHITE CLOVER RED CLOVER ALSIKE CLOVER MAMMOTH CLOVER

BURR CLOVER YELLOW CLOVER BERSEEM CLOVER COW PEAS
SOY BEANS
CANADA FIELD PEAS
PEANUTS VETCH
HORSE BEANS
VELVET BEANS
PERENNIAL PEAS
*SWEET PEAS
*GARDEN PEAS
*GARDEN BEANS

*LIMA BEANS LUPINS SAINFOIN LESPEDEZA and others

Complete descriptive circular on Mulford's Cultures free.

PRICES OF MULFORD'S CULTURES

5-acre size, \$5.00 ("A Dollar per Acre"); 1-acre size, \$1.50; Garden size (1/4-acre) 50c. Trial size can be had of all cultures marked (*) at 25c. per bottle.

ALPHANO INOCULANT

comes in a finely powdered form, making it easy to use. But, most important of all, it guarantees to you bacteria of the highest possible vigor. The carrier used makes an ideal material for the bacteria's breeding and living place. They retain their vitality for a longer period and under conditions utterly impossible with any of the other carrying substances used.

In addition to its distinct advantage of double nitrogen action in the soil, and that it contains all the essential legume bacteria in the one package, and that you need never have but the one kind to meet all your inoculation needs; there is also its

remarkably low price.

Send for the Alphano Inoculant Book. It is an inoculating guide filled with much valuable crop information. Alphano Inoculant the makers claim serves as a bacteria for all crops, quite the reverse of statements by other makers of bacteria, the reason, however, may lie in the fact that it is a soil or humus bacteria, while others are manufactured cultures. The Alphano Humus Company, who make this have been experimenting with

it and testing it out for several years in the agricultural departments of various experiment stations with results that were so highly satisfactory as to encourage them to place it on the market. Complete directions are on every package, and a special circular on Alphano Inoculant may be had free on request.



I-acre size (net weight of can, 2 lbs.) \$1.00; IO-acre size (net weight, 20 lbs.) \$8.00. (Postage extra).

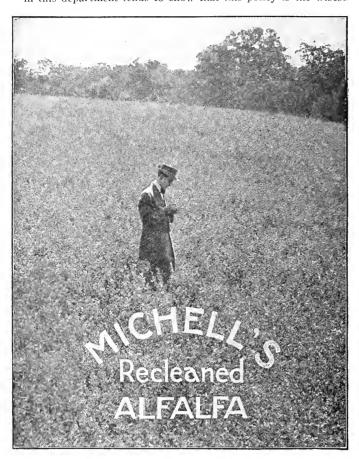


Roots of cow peas inoculated with Alphano Inoculant, showing the abundance of nitrogen nobs or nodules. Each one is filled with millions of air nitrogen gathering bacteria.

MICHELL'S RECLEANED CLOVERS

(PRICES SUBJECT TO MARKET CHANGES)

This line with us is a specialty. It is always economy to buy the best in farm seeds and that is just what we offer. We are extremely careful to see that all of our seeds are of the highest purity and germination tests, and our very large business in this department tends to show that this policy is the wisest.



An Alfalfa field will prove a good investment on any farm

Alfalfa or Lucerne (Medicago Sativa). The most valuable forage crop on the American farm today, and can be truly termed a mortgage lifter. It is sown during May, August and September, these being the best months for success, although it can be sown at other times with a possible chance of doing well. Careful preparation of the soil previous to sowing is the main thing. Our special Circular on Alfalfa goes into this carefully and is free for the asking. Sow not less than ½ bushel (30 lbs.) per acre preferably with no other crop. Our seed is always over 99% pure, and will invariably give the best of results. Price, per lb., 25c. Write for price on larger quantities, as it changes.

Alsike or Swedish Clover (Trifolium Hybridum). One of the best for mixing with timothy, it is perfectly hardy in every climate or soil condition and seldom has to be resecded. Under ordinary conditions it grows from I to 2 feet high, is sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. The flower resembles the white clover except that the head is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone or 8 lbs. per acre with timothy. Price, 25c. lb. Price on larger quantity on application.

Bokhara or Sweet Clover (Melilotus Alba). While extensively used as a bec food, this is a valuable variety for soiling (green manure); for sowing in spring on lands which are later to be sown in Alfalfa, this is an excellent article. It inoculates the ground and seems to render it more capable of insuring a good stand of Alfalfa than if it is not used. It grows from 3 to 5 feet high, according to soil and location; can be cut often as three times in a season if wanted for forage. Sow 15 lbs. per acre in early spring, alone, or 10 lbs. per acre with other crops. We handle only the true white flowering hardy variety. Price, 35c. per lb.; 10 lbs., \$3.00.

Crimson Clover (Trifolium Incarnatum). Delaware Grown Seed. This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure it should be allowed to mature; its height is from I to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. If sown in early spring it can be plowed down the first year, although no other crop can be raised on the field that season. Fall or late summer seeding makes it possible to use the field the following season. It is not hardy for more than one season and must be sown each year, flowers crimson. Price, 15c. per lb.; larger quantity prices on application.

Mammoth Red Clover (Trifolium Pratense Perenne). Some-

times called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. The seed cannot be distinguished from the former. Our supply, however, is strictly reliable. Sow in early spring or in July and August, using 20 lbs. per acre alone or with other crops 10 lbs. per acre; flowers pink. It can be harvested several times in a season. 25c. per lb.; larger quantity prices on application. Red Clover, Medium (Trifolium Pratense). More widely known

Red Clover, Medium (Trifolium Pratense). More widely known and used than any other, used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. A red clover field can usually be cut twice in a season. It is not hardy for a period of years, being usually resown every third season, flowers pink. Price, 25c. lb.; larger quantity price on application.

Price, 25c. lb.; larger quantity price on application.

White Dutch or Lawn Clover (Trifolium Repens). This is valuable for pasturage; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone or 5 lbs. if sown on old turf or with other crops. 10c. per 0z.; 4 lb., 20c., 60c. lb.; 5 lbs., \$2.80. \$5.50 for 10 lbs.; bu (60 lbs.), \$30.00; \$50.00 per 100 lbs.



Our Strains of Red Clover in both Mammoth and Medium types are unusually fine

MICHELL'S HIGH GRADE FARM SEEDS,

We make a specialty of Farm Seeds, and on this and the following 3 pages will be found a list of the popular kinds. They are all extra recleaned of new crop and should give splendid satisfaction. Prices are not named here for large quantities as they fluctuate constantly, however we will be pleased to quote prices before shipping, or if customers wish we will fill their orders at lowest prevailing rates for high quality seed.

Always allow 25c. for each two bushel seamless bag when ordering farm seeds. These are returnable for credit at the price charged.

ALFALFA (See page 56) ARTICHOKES (See page 46)

BUCKWHEAT

In the locality of Philadelphia this is sown anywhere from June 1st to July 15th; one bushel of 48 lbs. broadcasted to the acre. If one has the ground prepared and the opportunity, it can be sown as early as May 1st. It makes a very fine quality of flour, and is largely used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. The flower makes ideal bee food; while the straw is very abundant. Our seed is grown by a specialist in New York State, who procures his seed stock every few years from Japan. Any of the clover crops can be sown with buckwheat, these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre.

Silver Hull. Late maturing variety; grain making

whiter flour; very prolific.

Japanese. Very early variety. Dark, large grain. Price of Buckwheat, 15c. per quart; per peck, 5oc. For larger quantities, price on application.



BEANS, SOJA OR SOY

This very valuable farm plant enriches the ground in which it is planted by the free nitrogen gathered from the air and which is deposited in the ground by the roots, leaving it in ideal condition and rich in nitrogen for the next crop. Fodder is relished in either green or dry form by cattle and dairy cows. Excellent to combine as feed with other hay or corn. The seed when harvested and ground into meal gives milk a very rich flavor and is fed with great advantage to milch cows mixed with bran or any other soft feed. Sow 1 ½ bushels per acre alone or ½ bushel Soja Beans with one bushel Cow Peas. Sow in drills 21/2 feet apart anytime from the first to the last of May. If wanted for silo it will be ready for harvest about the first of September or earlier, when the pods will be well filled; yields as high as 20 tons of green food per acre. (Per bushel, 60 lb.)

Mammoth Yellow (Late)

Ito San (Very Early) Ito San (Very Early) Wilson (Early) Early Hollybrook

Prices on Application



A Field of Japanese Buckwheat

BARLEY

There is a threefold purpose in growing barley. Its straw is good for green feed or when cured, as hay. The grain in the hull is excellent poultry feed and with the latter removed is used in the household. It is a quick growing crop and very nutritious. If wanted for hay it should be cut while the grain-head is in a soft or milky condition. Sow broadcast 1½ to 2 bushels per acre from May 15th to July 1st. 48 lbs. per bushel.

Barley makes an ideal nurse crop for spring sown Alfalfa. It frequently means the difference between success and failure with the latter. When sown in connection with alfalfa use ½ to ¾ bushel per acre broadcast; when ripe harvest as usual or cut and rake off and invariably you will find a good Alfalfa growth ready to hustle ahead.

Beardless Barley. New York grown stock frequently yields 50 bushels per acre. 15c qt. Larger quantity,

price on application.

BROOM CORN "EVERGREEN"

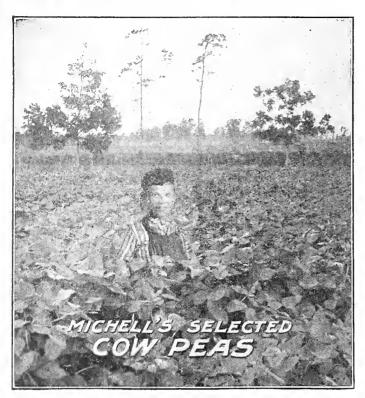
The chief value of this plant lies in the top or brush, as it may be called, which is made into brooms. fodder is suitable for bedding and grows to a height of about nine feet. This sort produces extremely straight brush, retaining its green color well after ripening, thus commanding highest market prices. Sow in May about ten pounds per acre in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row. It is usually in condition for cutting on the first approach of the frost, the brush part being gathered first. Yields 1000 lbs. of salable brush per acre. Bushel, 46 lbs. 15c. qt. Larger quantity price on application.

CLOVERS (See page 56)

FLAX

This is grown for the fibre from which linen thread is made and also for the seed from which that indispensable product, "Linseed Oil," is made. When ground it makes an excellent tonic when fed to horses, cattle and poultry. If sown to harvest seed, plant a bushel to the acre from May 15th to June 15th. If desired for the fibre, sow 1½ to 2 bushels (bushel, 56 lbs.). Lb.,

GRASSES see pages 48 to 54 inclusive. Beardless Barley



COW PEAS

Note: Occasionally some people order Cow Peas, thinking they are the same as Canadian Field Peas and sow them early and in consequence they do not germinate, as they do not stand cold, and the innocent seedsman is blamed for what is not his fault. There is a wide difference between Cow Peas and Canadian Peas, the latter which are offered in the opposite column.

Cow Peas are one of the best, largest yielding and most nutritious of the farm crops; they provide the most inexpensive methods of bringing soil back to a stage of fertility. In the South it is the staple forage crop for winter feeding. On ordinary ground they will yield from 10,000 to 20,000 lbs. of green fodder to the acre. They grow in the poorest kind of soil, taking the free nitrogen from the air, which it deposits in the ground through the roots, leaving it very rich in ammonia. The short-growing varieties are best for turning under as green manure, while the trailing sorts are desirable for hay. Cattle, sheep or hogs can be turned into a field of them and they will eat it off greedily and the stubble can be plowed under. In the latitude of Phila., sow from May 1st to July 1st, 2 bushels per acre broadcast, or 1 bushel per acre in drills. For a large crop acre broadcast, or I bushel per acre in drills. sow the seed as late as possible and not too thick.

Black. One of popular varieties extensively grown. It is very prolific and matures early. It is of upright growth, consequently preferred for ploughing under or for raising stock.

Large Black Eye. An exceedingly heavy cropper, but late to mature. In the South, the seed of this variety is sold for dried peas for household use, and it is claimed they are quite delicious.

Whippoorwill. Medium early, upright growing. variety extensively used, more than any other. The seed is brown and gray speckled. It is a heavy producer of both pods and fodder. Some claim this variety gathers more nitrogen than others.

New Era. Of upright growing habit, quick to mature and re-

markably prolific in both vines and pods. The seed is smaller and requires only from 34 to 1 bushel for sowing an acre.

Early Ramshorn. This is a black eyed variety, but much earlier than the regular black eyed type. The vines are enormalized that the second of the s

mous with an abundance of pods.

Prices: These fluctuate constantly; will be quoted on request.

NITROGEN-GATHERING BACTERIA This will be found a very valuable preparation in connection with plantings of Cow Peas. See page 55 for full particulars.



Canadian Cluster Oats

CHOICE SEED OATS

Our prices are all based on the legal weight of 32 lbs. per bushel. Sow from April till June, 3 bushels to the acre. Our stocks of Seed Oats are unusually good, free from weeds,

mustard, etc., and may be counted upon to yield large crops. Swedish or Washington. The long erect straw is noted for

its ability to stand up in rough weather; grains are very plump and nearly pure white in color; this variety is especially free from rust and other disease. 15c. qt.; peck, 40c; \$1.50 bushel.

Canadian Cluster. This variety is an enormous yielder, pro-

ducing very large heads. Originally brought from the oat-belts of Canada, but has now been thoroughly acclimated to the

climate of the United States. 15c. qt.; peck, 45c.; \$1.50 bushel.

Storm King (Pedigree Stock). Our strain of this variety was brought from Russia three years ago and is, without a doubt, the finest and plumpest oats we have ever seen. The straw is very stiff, often measuring five feet in height. Our supply of this is limited and we recommend early ordering, as the demand usually exceeds the supply. Often yields 85 bushels per acre. 20c. qt.; peck, 60c.; \$2.00 bushel.

Welcome. This is one of the popular varieties, extensively

grown in the locality of Phila.; it yields a heavy stiff straw and is a large producer. 15c. qt.; peck, 35c.; \$1.20 bushel.

FIELD PEAS (Canadian)

These are used for various purposes, chief among them being a very early green food; when used this way they are sown with oats about April 1st at the rate of 11/2 bushel of Peas and 11/2 bushel of Oats to the acre either drilled or broadcasted. They are cut just after the peas flower and fed green; sheep, hogs and cattle relish them keenly. They may be sown successively up to July if one has the available land. Peas may also be sown alone at the rate of 3 bushels per acre and furnishes excellent hay. For plowing under as green manure, they add a vast amount of nitrogen to the soil and succeeding crops sown there the same year or even later, particularly wheat, are wonderfully benefitted by producing a more luxuriant growth and larger yield. The dried peas are extensively fed to pigeons while when ground as meal is an excellent addition to the regular soft food of cows, sheep and horses. Price changes constantly and will be quoted on request.

See offer under heading of Vegetable Seeds.

CATTLE BEETS(Mangel Wurzel

See offer under heading of Vegetable Seeds.

COTTON SEED

Sea Island. If sown early in May, will mature in the latitude of Philadelphia. Pkt., 5c.; 10c. per 1/4 lb.; lb., 20c.; 75c. for 5 lbs.

KAFFIR CORN-White, for Seed

This belongs to the Sugar Cane family and has great drought-resisting qualities; the grain is used for feeding poultry and the fodder for cattle, is ideal for planting where the corn seed has failed to germinate and it is too late to replant. Grows from 4 to 6 feet high, the grain being produced on the top of a stalk in the shape of a brush; frequently as many as four heads of grain will be found on a single stalk. It usually ripens after the first few frosts; produces enormous crops. Can be sown as late as July at the rate of 10 lbs. per acre in drills. Bu. (56 lbs.), 10c. qt. Price for larger quantity on application.

RAPE

Dwarf Essex. This makes an indispensable green food for sheep and hogs. It can be pastured 8 weeks after sowing; the growth is enormous; if one has the available land it is good to sow in succession, as the stock eat it close to the ground and it will not stand pasturing any great length of time; this, of course, depends on the number of head turned on an acre. Sow 6 lbs. per acre broadcast or in drills from April 1st to October 1st. It produces enormous crops and is ideal green manure. Experiment Stations recommend that stock, feeding on it, should have ready access to salt. This is an ideal food for young lambs and hogs and does well under trying conditions. 15c. lb. Price for larger quantity on application.



Can be sown as late as July 15th and yield a tremendous crop. Is also desirable for green manuring, when it should be turned under when about 10 inches high. It makes an excellent green food for stock not allowed to pasture. If used for hay and dried it should be cut just as it matures.

Hungarian. The seed produces hay not so fine

Hungarian. The seed produces hay not so fine in quality as the "German," also fully a foot less in height, it can, however, be sown some 2 weeks later. Sow I bushel (48 lbs.) per acre. 15c. qt. Price on larger quantities on application, account of change in market value.

tion, account of change in market value.

Japanese Barnyard. This wonderful Millet yields possibly more fodder than any other forage plant that requires so little to sow an acre. Frequently as high as 12 tons of green food has been obtained from an acre. If sown early in May it may be cut twice in one season. Sow 12 lbs. per acre broadcast anywhere from May 1st to June 15th. 1oc. lb.

Pearl (*Pencillaria Spicata*). A valuable fodder plant. Enormously productive. Sow in drills 2 feet apart, 10 to 12 lbs. per acre. 12c. per lb. Price for larger quantities on application.

Tennessee, German or Golden. This requires a longer season to mature than the other sorts; it produces, however, a very fine quality of hay and makes a larger seed head. In good seasons it grows about 4 feet high. Sow I bushel (48 lbs.) broadcast to the acre, from April 10th to July 10th. 15c. qt. Price on larger quantities on application, account of change in values.

SEED RYE

Spring. This furnishes an excellent early green food if cut, or for pasture; the grain is used for feeding and other purposes, while the straw is a very fine quality, making a larger yield than the winter rye from which it is

straw is a very fine quality, making a larger yield than the winter rye from which it is quite distinct, the seed being smaller. Sow 1½ bushels broadcast or in drills from May to June 1st. 56 lbs. per bu. 1oc. qt. Price for larger quantity on application.

Thousandfold Winter. This makes a fine

A Head of Japanese Millet winter cover crop, being usually sown in the autumn as late as November, making a very fine yield of long stiff straw. Winter rye will not mature if sown in spring. Sow 1½ bushels per acre. 10c. qt. Larger quantity price on application.

SUGAR CANE or SORGHUM

Early Amber. Either green or in a cured state this makes ideal cattle food; it imparts a desirable flavor to milk. The seed can be thrashed out of the stalks and used as poultry feed. It is a tremendous producer, growing often 12 feet high; it stands the hot, dry weather and can be cut several times in one season. Sow 25 lbs. of seed to the acre in drills 3½ feet apart; I or 2 bushels broadcast. Bu. (48 lbs.), 15c. qt. Larger quantity price on application.







60 MICHELL'S SELECTED FARM SEEDS, Etc.

TIMOTHY SEED

Each year we handle a number of carloads of this. We aim to sell the purest and highest germination quality. Our prices are as low as quality will allow. **Price**, 15c. per lb. Samples and quotations on larger quantities cheerfully on request.

TEOSINTE (Reana Luxurians)

This is used extensively in the South, where it is, at times, difficult to grow forage crops on account of the long periods of drought and frequently poor soil; a single plant makes a tremendous growth, often producing as many as fifty stalks. Its foliage is like corn leaves, very broad and contain a sweet sap. Cattle eat it with a relish. It stands 5 feet high when natured, but it can be cut when two or three feet high. It produces new branches or stalks from the roots. Sow during May and June in drills $3\frac{1}{2}$ feet apart, 5 to 6 lbs. per acre. 75c. lb.; 5 lbs., \$3.50.

SUNFLOWER

Mammoth Russian. This makes a splendid poultry food, especially for winter use, on account of its heating and fattening qualities. Will yield sometimes as high as sixty bushels per acre. Harvest after first few frosts, cutting the seed head from the plant, piling them loosely on the grain floor or hanging them in bunches on the rafters of the barn until thoroughly dry. Sow 10 qts. per acre in drills 3 feet apart, dropping the seed about every 4 inches. 10c. qt. Price for larger quantity on application.

SPELTZ or EMMER

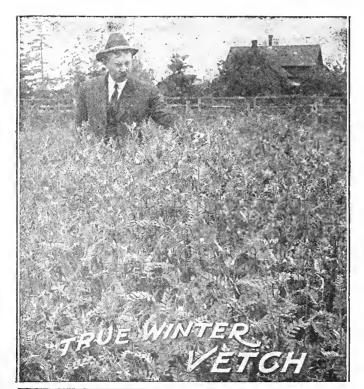
This grain resembles wheat but is a much larger yielder, producing frequently as high as 80 bushels of grain per acre, and that on the poorest land. The hay if cut green is desirable for horse or cattle feed, while the straw after thrashing is equal to the best wheat. The grain is desirable for feeding to hogs or poultry. Sow as you would wheat, 2 bushels to the acre any time after April 1st; the earlier the better. 15c. qt. Price for larger quantity on application.

VETCHES OF TARES

This has been used in Europe for many years as a stock food and green manuring or cover crop. It does best if sown with rye, the latter gives it support and thus ensures enormous crops. It makes an ideal hay and it is a pity that every American farmer does not use it. It fertilizes the ground without further trouble or cost, on account of the free nitrogen it gathers from the air. It produces a peculiar vine plant with very narrow foliage and elongated flowers of pinkish white in clusters. The height when supported is frequently to foot

quently 4 feet.

Winter Vetch (Vicia Villosa). Sometimes called Sand or Hairy Vetch. Our stock of this is the true type, being imported by us direct from Russia and which will absolutely live throughout the winter. There is also an English strain on the market which is not hardy in the Northern sections of the United States, and buyers should beware when buying that they procure the right article, which is a small round black seed; this is far superior to Crimson Clover, as it never winter-kills. Sow from August 1st to October 1st, but the earlier the better, broadcast, I bushel per acre, to which we suggest adding a bushel of winter rye or wheat. In the spring it can be plowed in as green manure, or when in flower cut for hay. All stock relish it keenly. Price for larger quantities on application.



Spring Vetch (Vicia Sativa). The seed of this is larger than the "Winter" and of a brownish gray color. It is not hardy and must, therefore, be sown in the spring during May or June, I to 2 bushels per acre if broadcast and I bushel if in drills, with either spring wheat, spring rye or oats for support. It possesses very much the same desirable features as the winter vetch. Price for larger quantities on application.



SPRING WHEAT

A desirable crop to sow where fall-sown wheat has been killed by severe winter; the grain is very hard and of excellent milling quality. Macaroni is made from this variety. Our stock is grown in the extreme Northwest and is very fine.

is grown in the extreme Northwest and is very fine.

Saskatchewan Fife. This is the favorite sort in this locality and is used on account of its prolific, vigorous growth and early qualities. It often produces 50 bushels per acre. Sow in April or May 1½ to 2 bushels per acre, broadcast or in drills. 15c. qt. Price for larger quantity on application.

SUDAN GRASS

An annual and must be sown each year. Resembles millet somewhat; stock seem to relish it; will yield from 2 to 4 tons per acre. Sow in drills or broadcast 16 to 24 lbs. per acre; several cuttings can be made from a sowing in one season. Thrives excellently in a season of drought. 18c. lb.; 10 lbs., \$1.50; 25 lbs., \$3.00; \$11.00 per 100 lbs.

FIELD SEED CORN

Prices on Field Corn subject to market changes

Plant 8 to 10 qts. per acre in hills sow 21/2 to 3 bushel broadcast for fodder

Our strains of corn are not the common kinds usually found in abundance on the market, we pay as much attention to carefully selected stocks in all lines of farm seeds as we do the critical vegetable and flower seed part of the business. This is particularly true of field corns where re-selection means the limit of crop with little or no increase in cost. It is amazing to realize where the old unselected seed is used the average crop per acre is only half compared to the more intelligent selection of strains. Our stock is selected for size of ear and fodder, uniformity of kernel and the careful finish of the tip and butt, all of which mean a considerable increase in production.

Never use feeding Corn for Seeding Purposes

Leaming Early Dent. This variety has always been used foremost by most planters of field corn. It is readily distinguished by the beautiful long ears of deep grained, uniform kernels, resplendent in a deep shade of golden The cob when shelled is very small and of reddish color. The stalks grow about 7 feet, very leafy, excellent for fodder, and on the average will produce two ears to the stalk. This strain assures the largest ears with every kernel perfect; ripens in 90 days and occasionally crops 100 bushels to the acre. Our stock is grown by the most experienced grower, who carefully selects and reselects the seed, thus assuring a bumper crop. Every grain is uniform and perfect. Qt., 15c.; 5oc. for 4 qts.; peck, 75c.; \$2.75 bushel.

Golden Beauty. The broad massive golden yellow dented grains are arranged very evenly on gigantic cobs. The fodder is enormous, often growing 12 feet high; it matures late but yields wonderful crops; desirable for silo and ensilage purposes. Qt. 15c., 5oc. per 4 qts., peck 75c., \$2.75 bu.

Chester County Mammoth. A native variety of this vicinity, grown especially for us by a private expert corn raiser. The ear and stalk are almost as large as Golden Beauty. The dented kernel is deeper, however, and of a light yellow shade; a late maturer. Qt., 15c.; 5oc. per 4 qts.; peck, 75c.; \$2.75 per bu.

Cloud's Early Yellow Dent. Our stock of this is grown by the originator, who is extremely careful. Every grain is uniform and perfect. Though the fodder grows often 10 feet high, the crop is matured in 100 days. The ear is about 10 inches long with a very thin cob when shelled, while the canary yellow grains are about 34 of an inch long. It delights in rich soil if the best is expected of it. Qt., 15c., 5oc. for 4 qts., peck 75c., \$2.75 per bu.

100 Day Bristol. This matures within the time named and produces large stalks. The ears are about 9 inches long, very thin cob when shelled. The sulphur yellow grain is dented, very broad and not very deep; an easy

variety to husk. 15c. qt., 4 qts. 50c., 75c. peck, bushel \$2.75.

Early Canada Flint (Eight Rowed). This is a medium broad grained variety, perfectly smooth on the end and very hard. Makes a desirable sort for late planting. The cobs are very thin when shelled, excellent for pigeon and poultry feed. Qt. 15c., 50c. for 4 qts., peck 75c., \$2.75 per bu.

Hickory King. A very broad dented white grain, white cob variety, for ensilage, silo and fodder purposes it is ideal. It matures very late, but is an enormous producer. Qt. 15c., 5oc. for 4 qts., peck 75c., \$2.50 per bu. Virginia Ensilage.

This grows invariably 12 to 14 feet high, stands up during the most severe wind-storms. The seed is white, very deep and broad, with a thin red cob. It is the principal ensilage corn of the South. It will yield more fodder than any other variety. Qt. 10c., 35c. for 4 qts., peck 60c., \$2.25 per bushel.

Red Cob Ensilage. A long narrow white grain, a late maturer and used for silo, green feed or ensilage purposes. A tall rank grower and prolific in leaves. 10c. qt., 4 qts. 35c., 60c. peck, bu. \$2.25. Eureka Yellow Dent, for Ensilage. Light canary

yellow deep grained fine ear and fodder. Qt. 15c.; 50c. for 4 qts.; peck, 75c.; \$2.50 bush.

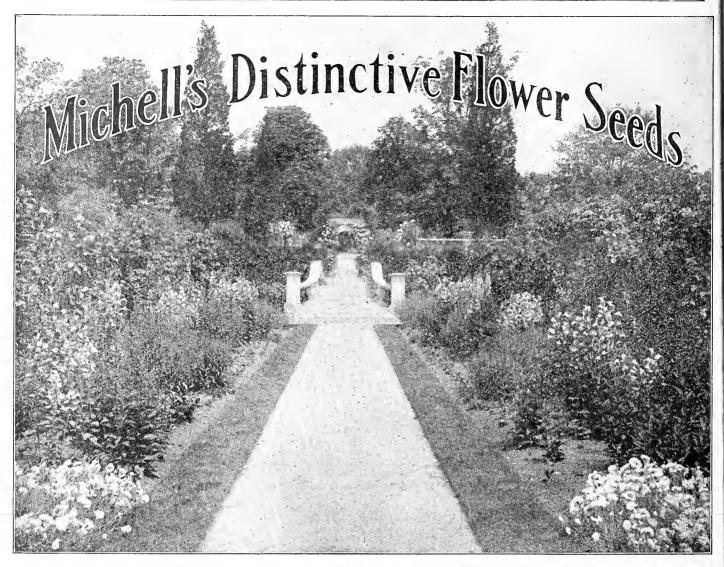
AMERICAN HAND CORN PLANTER

A planter of this type is a great economizer of seed, saving labor. Price, \$2.00.

Keystone Horse Power Planter, \$16.00 each.



American Hand Corn Planter



"SUBURBAN" COLLECTION OF ANNUALS

25 Varieties. Special Price, \$2.00

1 oz. Nasturtium. Dwarf Fancy Giant. Mixed.

1 oz. Nasturtium. Tall Fancy Giant. Mixed.

1/4 lb. Sweet Peas. Spencer Varieties. Mixed. 1 oz. Mixed or Wild Flower Garden Seeds.

And one packet each of the following:

Ageratum. Blue Perfection. Marigold. Pride of the Gar-Alyssum. Little Gem. Aster. Invincible. Mixed. Balsam. Camellia Flowered. Calliopsis. Golden Wave. Candytuft. Giant White. Celosia. Thompsoni Magnifica Centaurea. Emperor William. Cosmos. Giant Fancy Mixed. Dianthus. Double Fringed. Eschscholtzia. Golden West. Larkspur. Giant. Mixed.

den. Mignonette. Machet. Pansy. Giant Trimardeau.

Petunia. Choicest Mixed. Phlox Drummondi. Grandiflora. Mixed. **Poppy.** Michell's Shirley Portulaca. Double Mixed. Sunflower. Cut-and-Come-

Zinnia. Giant Robusta. Mixed

"POPULAR" SEED POCKET OF ANNUALS

Again.

One packet each of the following: Alyssum. Sweet. Aster. China, or German. Cosmos. Giant Mixed. Marigold. Dwarf French. Mignonette. Sweet Scented.
Nasturtium. Dwarf Mixed.
Nasturtium. Tall Mixed. Pansy. Very Fine Mixed.

15 Varieties. Special Price, 50c. Petunia. Fine Mixed. Phlox Drummondi. Poppy. Paeony Flowered. Portulaca. Single Mixed. Sweet Pea. Gilt Edge. Mixed. Zinnia. Tall Double Mixed. Mixed or Wild Flower Garden

"QUAKER CITY" COLLECTION OF ANNUALS

16 Varieties. Special Price, \$1.00

1 oz. Nasturtium. Dwarf Fancy Giant. Mixed.

1 oz. Nasturtium. Tall Fancy Giant. Mixed.

1 oz. Sweet Peas. Magnificent. Mixed.

And one packet each of the following:

Ageratum. Blue Perfection. Alyssum. Little Gem. Aster. Improved Branching. Centaurea. Emperor William. Cosmos. Giant Mixed. Larkspur. Tall. Mixed. Marigold. Large African.

Mignonette. Sweet Scented. Petunia. Choice Mixed. Phlox Drummondi. Grandiflora. Mixed. **Poppy.** Carnation Flowered.

Portulaca. Double Mixed. Zinnia. Giant Robusta. Mixed

COLLECTION OF HARDY PERENNIALS

18 Varieties. Special Price, \$1.25 One packet each of the following:

Aquilegia. Single Mixed. Calliopsis. Lanceolata Grandiflora.

Campanula. Pyramidalis. Delphinium. Formosum. Dianthus. Clove Scented. Digitalis. Gloxiniaeflora. Mixed.

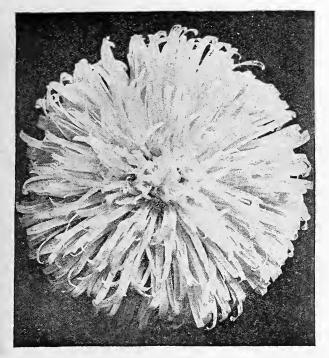
Gaillardia. Grandiflora. Gypsophila. Paniculata.

Heuchera. Sanguinea. Hollyhock. Chater's Double. Lobelia. Cardinalis. Phlox. Decussata. Mixed. Poppy. Orientale. Pyrethrum. Single. Mixed. Scabiosa. Caucasica. Stokesia. Cyanea. Sweet William. Double. Mixture of Perennial Flowers

Collections of Asters, Dianthus, Phlox, etc., will be found on next page, also under their respective heads.

MICHELL'S COLLECTIONS OF FLOWER SEEDS

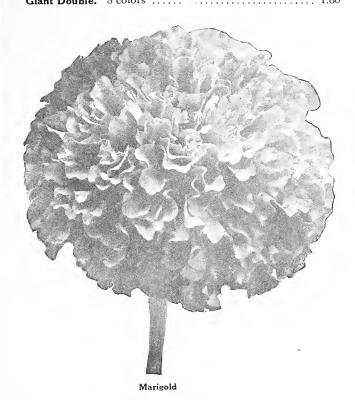
For the convenience of our customers we have grouped on this page the various Collections of Flower Seeds, which are also listed under their respective headings, through the Flower Seed pages, where in many cases the colors are given which the collection contains.

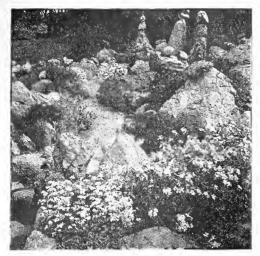


Aster

ANTIRRHINUM. (Snapdragon).	
Michell's Giant. 6 colors	0.50
Imported, Tall. 10 varieties	.40
Michell's Semi Dwarf. 6 colors	.50
Imported, Semi Dwarf. 10 varieties	.40
ASTERS.	
Michell's Improved Semple's Branching. 6 colors	.50
Invincible. 5 colors	.40
Crego. 5 colors	.40
Royal. 5 colors	.60
Queen of the Market. 6 colors	.50
Truffaut's Paeony Flowered Perfection. 5 colors	.40
Giant Comet. 6 colors	.50
Improved Victoria. 5 colors	.40
BALSAM. Double Camellia Flowered. Imported, 6 colors	.30
CANDYTUFT. Imported, 6 colors	.25
CENTAUREA. Imperialis. (Giant Corn Flower or Sweet	
Sultan). 6 colors	.50
CONVOLVULUS. (Tall Morning Glory). Imported 8	
varieties	.30
DIANTHUS. (Pinks). Imported, 12 varieties	.50
GRASSES. Ornamental. II varieties	.60
HELICHRYSUM. (Straw Flower). Imported, 10 varieties	.50
HOLLYHOCKS. Double. 6 colors	.50
Imported, 12 varieties	.75
MARIGOLD. Double French. Imported, 6 varieties Double African. Imported, 6 varieties	.25
MIGNONETTE. 8 varieties	.25
NASTURTIUM.	.50
Dwarf. One pkt. each, 6 sorts	.25
" One pkt. each, 12 sorts	.50
" Imported. 12 varieties	.50
Tall. One pkt., each, 6 sorts	.25
"One pkt., each, 12 sorts	.50
Imported, 12 varieties	.50
Lobb's. One pkt. each, 7 sorts	.30

PANSY.	
Giant Prize. 6 colors	50.90
" " 12 colors	1.40
Regular Sorts. 6 colors	.50
" " 12 colors	.90
" Imported, 6 colors	.40
" Imported, 12 colors	.75
PETUNIA.	
Single Fringed. Imported, 6 varieties	.50
Double Fringed. Imported, 6 varieties	.75
PHLOX DRUMMONDII. Grandiflora.	
Imported, 12 varieties	.75
POPPY. Single Annual. 8 varieties	.50
Double Paeony Flowered. Imported, 6 varieties	.25
	-
PORTULACA. Single. Imported, 8 varieties	.25
Double. Imported, 8 varieties	.50
PRIMULA CHINENSIS. (Chinese Primrose). Imported	
. 8 varieties	.75
SALPIGLOSSIS. Grandiflora. Imported, 6 varieties	.30
SCABIOSA. (Mourning Bride). 6 colors	.25
STOCK. Flower Market. 6 colors	.75
Dwarf Ten Week. Imported, 8 varieties	.50
SWEET PEAS. Spencer or Orchid. 15 varieties, our	v
selection	1,00
Grandiflora. 15 varieties, our selection	.50
VERBENA. Mammoth Fancy. 6 colors	.50
WALLFLOWER. Single. Imported, 6 varieties	.40
Double. Imported, 6 varieties.	.50
ZINNIA. Dwarf Double. Imported, 6 varieties	.25
Tall Double. Imported, 6 varieties	.25
Ciart Dankle Spolars	.23





A Rock Garden planted in this fashion makes a dull spot bright

FLOWERS AND PLANTS FOR ROCK GARDENS

In the past few years Rock Gardens and Rockeries, although of ancient origin, have justly come in favor again. There are few gardens, where something of this sort might not be constructed and made highly attractive, especially in locations where stones are plentiful. They may be used for hiding unsightly objects, or for giving variety to an otherwise flat and monotonous garden. Below we give a selection of plants, especially suited for this purpose.

Varieties marked S. can be furnished in seeds only; marked P., plants only;

S. P. Alvssum maritimum (Sweet Alyssum)

S. P. Alyssum saxatile compactum (Gold Dust)

S. P. Aquilegia in varleties (Columbine)

S. P. Arabis alpina (Rock Cress) S. Asperula odorata (Woodruff)
P. Aubrietia (Wall Cress)
S. P. Candytuft sempervirens.

S. P. Campanula carpatica (Hare Bell)

S. Centaurea candidissima (Dusty Miller)

S. P. Cerastium tomentosum (Snow in the Summer)

marked S. P. either plants or seeds. See index of catalog for listing. S. Centaurea gymnocarpa P. Euonymus radicans.

P. Ferns, Hardy varieties.
P. Gnaphalium (Edelweiss) S. P. Gnaphalium

S. Gypsophila elegans. S. P. Gypsophila paniculata (Baby's Breath)

Helianthemum (Rock Rose) Mesembrianthemum (Ice Plant)

S. P. Myosotis (Forget-me-not) Plumbago larpentae (Leadwort) P. Phlox subulata (Moss Pink)

S. Portulaca.

P. Sedum (Stone Crop) Silene (Catchfly)

S. P. Vinca (Periwinkle)

FLOWERING PLANTS FOR CUTTING AND OPEN BORDER PLANTING

ANNUALS S. P. Antirrhinum (Snapdragon) S. Arctotis (African Daisy)

P. Asters

Calliopsis Centaurea (Cornflower) Candytuft

Celosia plumosa (Cockcomb)

Cosmos tricolor S. Chrysanthemum coronarium

Dimorphotheca Gaillardia (Blanket Flower)

Gypsophila elegans

Gomphrena Larkspur Lupinus

S. Marigold S. P. Mignonette

S. Nasturtium

S. P. Pinks

S. Salpiglossis S. Scabiosa

S. Stocks

Sunflower S. Sweet Peas

S. Sweet Sultan S. Zinnia

Plantings against shaded backgrounds like this

accomplish wonderful effects

PERENNIALS

S. P. Aquilegia (Columbine) S. P. Achillea (Sneezewort)

S. P. Anthemis (Marguerite)
S. P. Anemone (Windflower)
P. Artemisia lactiflora

Aster, Hardy Perennial P. Boltonia (False Chamomile)

Ρ. Coreopsis Carnation P.

P. Delphinium Ē. Eupatorium

P. Gaillardia grandiflora P. Gypsophila paniculata

Ρ. Geum Ρ.

Heliopsis P. Heuchera (Alum Root) P. Lily of the Valley

P. Lupinus

P. Phlox decussata S. P. Paris Daisy

Ρ. Pentstemon S. P. Pinks

P. Rudbeckia P. Shasta Da S. S. Shasta Daisy

Ρ. Stokesia P. Statice

P. Stevia P. Thalictrum



Borders on the edges of lawns planted in this fashion are an

attraction from early Spring to Fall

A number of Plants, which are grown from Bulbs, produce splendid cut flowers, especially: Gladiolus, Dahlias, Acid=

ular Flowers and Plants see page 111. anthera. Callas and Tuberoses. FLOWERS AND PLANTS FOR PARTIALLY SHADED

Very few plants will flower in places, from which sunshine is entirely excluded. They may grow well enough, developing leaves, but plants of nearly all kinds must have at least some sunshine. With the exception of Hardy Ferns, which will do very well even in dense shade, the varieties named below should have sunlight for at least 2 hours during the day, to produce best results.

LOCATIONS

S. P. Aconitum (Monks Hood) S. P. Anemone (Windflower)
S. P. Aquilegia (Columbine)

S. P. Auricula

Asperula (Woodruff) S. Bartonea S. P. Begonia, Tuberous-rooted (Can be furnished in Bulbs also)

For Common and Bo=

tanical Names of Pop=

S. P. Bellis (Daisy)

S. P. Campanula (Canterbury Bells) S. Clarkia

P. Coreopsis lanceolata P. Cowslip

P. Delphinium (Larkspur) P. Digitalis (Foxglove)

Ferns (Hardy) P. Fuchsia

P. Gentiana (Gentian) S. P. Lily of the Valley

S. P. Lobelia Cardinalis (Cardinal Flower)

Linum (Flax)

S. Matricaria (Feverfew) Mimulus (Musk Plant) S. P. Myosotis (Forget-me-not)

Nemophila (Love Grove) Oenothera (Evening Primrose)

P. Pachysandra S. P. Pansies

S. P. Poppy (Perennial varieties)
S. P. Polyanthus

S. Schizanthus (Butterfly-Flower)

P. Trollius (Globe Flower) P. Trillium (Wood Lily)

Torenia

P. Violets

S. P. Viola cornuta (Tufted Pansies)

MICHELL'S NOVELTIES AND SPECIALTIES IN FLOWER SEEDS FOR 1917



FOR GENERAL LIST OF FLOWER SEEDS SEE PAGES 71 TO 110

NEW SEMI-DWARF ANTIRRHINUMS

(Snapdragon)

This type is becoming very popular for bedding purposes owing to their dwarf and compact habit of growth; height about 18 inches.

Captivation

A charming rich chamois shaded pink, a unique color. Flowers large; free bloomer.

Per pkt., 25c.; 65c. per 3 pkts.

Golden Beauty

Very large, rich golden yellow flowers; plants of good habit, with long, sturdy spikes.

Per pkt., 25c.; 65c. per 3 pkts.

Mauve Beauty

Flowers large; and of a lovely shade of rosy mauve.

Per pkt., 30c.; 85c. per 3 pkts.

Pink Gem

A lovely, clear, rose pink with white throat, very showy and distinct.

Per pkt., 25c.; 65c. per 3 pkts.

Spitfire

A very bright orange scarlet self, the brightest color in this class yet offered; plants are of compact habit, and free flowering.

Per pkt., 25c.; 65c. per 3 pkts.

The Bride

Pure white, without any yellow on lip. Per pkt., 10c.; 30c. per large pkt.

.IO

SPECIAL OFFER

One packet each of the above six varieties Semi-Dwarf Antirrhinums for \$1.25.



Shell Pink50

NEW GIANT SNAPDRAGON (Antirrhinum) MICHELL'S SALMON PINK

For effective grouping in the garden or for cutting, nothing surpasses the Giant Snapdragons, and we are pleased to be able to offer our customers seed of this new variety, which will be found a valuable addition to this class of flowers. The large flowers are produced on long spikes and are of a delicate salmon pink color. Per pkt., 15c.; 4oc. per large pkt.

ASTER, EARLY ROYAL BRANCHING

One packet each of the five colors for 40c.



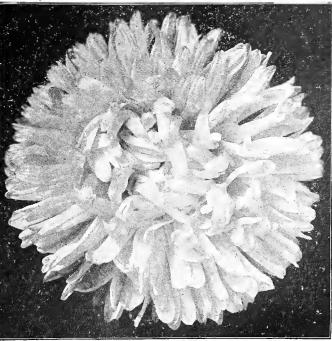
Antirrhinum-Spitfire

DWARF ALYSSUM (Lilac Queen)

A distinct new variety of the annual Sweet Alyssum, with pure lilac flowers. The plants are of the same dwarf compact growth as the white flowering varieties. Per pkt., Ioc.; 4oc. per large pkt.

DWARF YELLOW ALYSSUM (Lutescens)

Of dwarf, compact, upright growth, bearing a profusion of yellowish-colored flowers. Pkt., 10c.; 40c., large pkt.



Aster, Early Royal Branching



Michell's Pink Superb Aster

NEW ASTER—"MICHELL'S PINK SUPERB"

This new and valuable variety of Aster is really "Superb" in every sense of the word. The flowers are of immense size, petals long and broad, those in the centre lie curled and incurved to such an extent that the crown is completely covered; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a very attractive shade of pink. One of the admirable features of this new variety is the exceedingly long stems, which usually measure 34 to 36 inches in length, making it a valuable sort for cutting. Per pkt., 25c.; 65c, per large pkt.; ¼ oz. \$1.50.

BEGONIA—"GROMANII"

A new variety originating in Michigan; we quote the description as given us by the originator: "A great improvement on Begonia Vernon; foliage, a beautiful bronze green, color of flowers, red (very near Christmas red). We have been selecting the best plant for seed for ten years and feel confident that we have the color fixed, so that every plant will produce red flowers." Per original pkt., \$1.00.

NEW DOUBLE MORNING GLORY "SNOW FAIRY"

A new and most beautiful variety of vigorous and rapid growth, beginning to bloom early and continuing until frost. Produces an abundance of double, snow-white, tassel-like flowers two to two and a half inches across by two and a half inches in depth. Per pkt., 10c.; 25c. per 3 pkts,

See pages 74 to 76 for other Valuable Varieties of Asters



Cardinal Climber

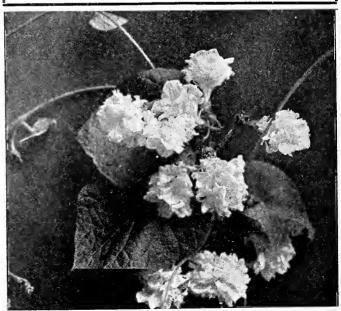
THE CARDINAL CLIMBER

(Ipomoea Quamoclit Hybrida)

A distinct and valuable novelty and one of the most beautiful climbers. A strong and very rapid grower and free bloomer; the vines branch freely,

covering a large space very quickly and growing to a height of 20 to 30 feet. Leaves dark green, fern-like and deeply laciniated; bears a great profusion of fiery, cardinal red flowers, which are about 1½ inches in diameter. It delights in a warm, sunny situation and good soil. In order to have good germination of the seed a small notch should be filed or cut in each seed. Per pkt., 15c.; 65c. per large pkt.

Special Offer: One packet each, Aster, Cardinal Climber and Morning Glory for 40c.



Double Morning Glory, Snow Fairy

MICHELL'S NOVELTIES AND SPECIALTIES IN FLOWER SEEDS



Celosia-Pride of Castle Gould

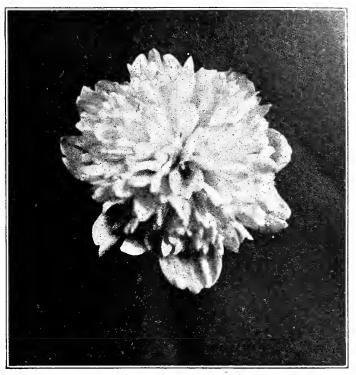
CELOSIA PLUMOSA Pride of Castle Gould

This variety excels all other varieties of this class; plants grow compact and pyramidal, about 2 to 3 feet high, producing immense flower heads, that closely resemble ostrich plumes. Colors are blood red, carmine, yellow, orange, golden, orange scarlet, etc., in mixture. Per pkt., 15c.; 40c. per large pkt.

LOBELIA HYBRIDA "Sapphire"

Great attention has been given of late years to the floral decoration of balconies and window fronts, and in addition to Petunias, Ivy-leaved Geraniums, etc., used for this purpose, trailing Lobelias are also coming into demand. This new variety is of remarkably strong growth; the flowers are unusually large for a Lobelia, measuring three-quarter inch across, and are thickly set on the long graceful sprays of foliage; color of flowers, intense deep blue with large, clearly defined white eye. A well-grown plant covered with these lovely blue oculate flowers makes a splendid sight. Per pkt., 20c.; 50c. per large pkt.

SPECIAL OFFER: One packet each Celosia, Cosmos, Double Pink Beauty and Double White Queen, Dimorphotheca, Lobelia and Petunia for \$1.00.



New Double Cosmos

NEW DOUBLE COSMOS A Most Striking and Valuable Novelty

An entirely new race of this popular flower; we offered this last season for the first time, and have excellent reports from a large number of our customers of the good results obtained. A

large percentage of the flowers come double, and the few singles produced are extra fine

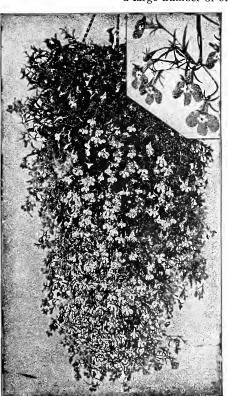


Dimorphotheca Aurantiaca New Hybrids, Mixed

An extremely showy annual; the plants are of branching habit, growing 12 to 15 inches high and flowering profusely; its Marguerite-like blossoms are 2½ to 2¾ inches in diameter. These hybrids vary in color from white to red, and tints of sulphur, lemon and golden yellow, orange salmon, etc. Per pkt., Ioc.; 4oc. per large pkt.

DWARF LARGE-FLOWERING FRINGED PETUNIA

The demand for really good dwarf, compact-growing Petunias has been met after years of careful selection in this excellent dwarf strain, with large fringed flowers. The plants grow only 8 inches high, and while branching freely from the base, they remain quite compact. The individual plants make handsome small bushes, on which the numerous flowers, borne well above the foliage, appear in all the colors common to Petunias. Per pkt., 30c.; 80c. per 3 pkts.



Lobelia-Sapphire

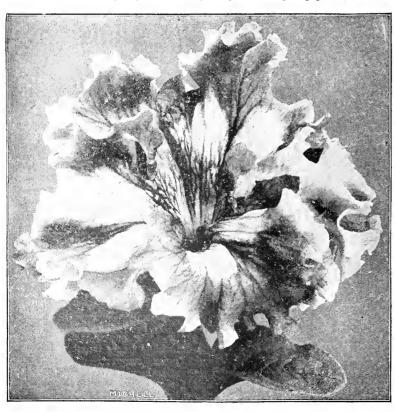
MICHELL'S NOVELTIES AND SPECIALTIES IN FLOWER SEEDS



Petunia-Ideal

LARGE FLOWERING DWARF PETUNIA "IDEAL"

A magnificent new dwarf strain of large flowered Petunia. The plants, which are of strong, robust growth, are 12 to 15 inches in height, and produce enormous flowers, many of which measure 6 inches across, and of varied and exquisite coloring. An ideal pot plant. Per pkt., 30c.; 80c. per 3 pkts.



Petunia-Michell's Monstrosus



Primula, Malacoides Superba

PRIMULA "MALACOIDES SUPERBA"

A new and improved variety of the Primula Malacoides which has become so popular within the last two or three years; the flowers of this new variety are larger and deeper in color, being a deep rosy pink. A first-class plant for greenhouse decoration during the winter. Per pkt., 25c.; 65c. per 3 pkts.

NEW GIANT FRINGED PRIMROSE

(Primula Sinensis Fimbriata)
"PINK PEARL"

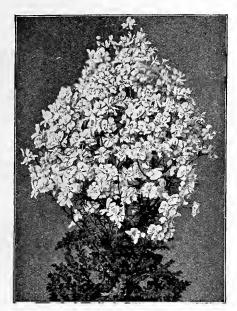
*A handsome addition to the Giant class of Primulas. Flowers of immense size and substance, and of a charming shade of brilliant rose, relieved by a delicate greenish yellow eye; the fringed petals are well overlapped and slightly undulated. The trusses are displayed well above the foliage, which is of a pleasing tint. Per pkt., 40c.; 75c. per 2 pkts.

LARGE FLOWERING PETUNIA MICHELL'S "MONSTROSUS"

A great acquisition to the list of Large Flowering Petunias, surpassing the well-known Giants of California. The flowers are extremely large, quite a number of which are elegantly fringed; the colorings, markings, veinings, blotches, etc., are superb; many of them having deep throats of various shades. Per pkt., 25c.; 75c. per large pkt.

Special Offer: One packet each of the Novelties and Specialties on this page for \$1.00.

MICHELL'S NOVELTIES AND SPECIALTIES IN FLOWER SEEDS



Schizanthus-Pink Beauty

SCHIZANTHUS-PINK BEAUTY

The flowers of this new variety are of an exquisite shade of rose pink, a pure self without any marking or shading whatever, a distinct advance upon anything of this color yet known in Schizanthus. As pot plants they are very effective for grouping, and a charming subject when cut for table decoration, the flowers being of good substance, lasting well, and being equally effective either in natural or artificial light. Per pkt. 40c.; 75c. per 2 pkts.



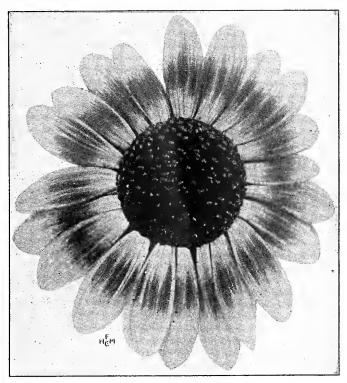
Verbena-Helen Willmott

NEW SALVIA (Scarlet Sage) OSTRICH PLUME

A new variety of this most popular flower. The habit of the plant is similar to the well-known Splendens variety; the spikes of flowers, which are large and borne in great profusion, resemble a plume, and are of the brightest scarlet. Per pkt., 25c.; 65c. per large pkt.

SCHIZANTHUS-"BRIDAL VEIL"

A new variety selected from the hybrids of Schizanthus Wisetonensis. Plants grow about 16 inches high, are compactly formed and literally covered with glistening, snowy white blossoms, which present a striking contrast with the bright fresh green of the finely laciniated foliage. Excellent as a pot plant. Per pkt., 25c.; 65c. per 3 pkts.



New Red Sunflower

NEW RED SUNFLOWER (Helianthus)

A new and brilliant variety of the annual Sunflower, growing from 4 to 8 feet high. The plants are of branching habit and produce from July to September a profusion of well-shaped flowers, varying in size from a few inches to nearly a foot in diameter. Some of the plants produce flowers of a rich chestnut-red color, others tipped with yellow, and others slightly washed with red. A hedge or border of this variety is especially interesting and attractive. Per pkt., roc.; 40c. per large pkt.

VERBENA—"HELEN WILLMOTT"

After many years of constant selection, seed of this Verbena has at last been saved in sufficient quantity to be offered for sale. A large percentage of the flowers are of the true "Helen Will-mott" color, a pretty bright salmon rose, with white eye.

Per pkt., 20c.; 65c. per large pkt.

Special Offer. One packet each of the Novelties and Specialties on this page for \$1.00.

70 MICHELL'S NEW SPENCER OR ORCHID FLOWERED SWEET PEAS

"Spencer" Sweet Peas are distinguished by their most exquisite form of flower, waved petals, their wonderful vigor in plant, stem and flower, and their ability to produce, as a rule, four gigantic blooms to the stem.

FOR GENERAL LIST AND SPECIAL MIXTURE, SEE PAGE 105

Fiery Cross "Fiery Cross" is a most appropriate name for a most unusual novelty. "Fiery Cross" has all the appearance of live fire, the color being a scorching fire-red, or scarlet, without any shading and which scintillates and glitters in bright sunlight, thus adding a glowing, fire-like sheen which radiates over the flower. Unlike most of the orange-scarlet varieties, it does not scorch or burn even during extended periods of intense sunshine, therefore it can be grown in all soils without shading. The beautifully waved and fluted flowers are borne freely in threes and fours, well placed on long stout stems. Fiery Cross was recommended for the Silver Medal variety of the National Sweet Pea Society of England. Also Award of Merit at the exhibition held by the American Sweet Pea Society at the San Francisco Fair, June 10th, 1915, as being the outstanding variety in the show.

Per pkt. (30 seeds), 25c.; 65c. per 3 pkts.

The President This will compete with "Fiery Cross" as the greatest novelty of the year. It is wonderfully brilliant, in fact, it might be termed a glowing scarlet self. The flowers are of large size, carried on strong, stiff stems, usually in fours, always beautifully waved even when well expanded, and most harmoniously placed. It has been termed "the brightest color we have in sweet peas" and does not burn; it probably will never be sur-passed in the orange-scarlet section. Awarded Certificate of Merit by the Pennsylvania Horticultural Society, June 23d, 1915, also by the American Sweet Pea Society at Newport, R. I., July 15th, 1915.
Per pkt. (30 seeds); 25c.; 65c. per 3 pkts.

Hilary Christie Standard salmon-orange edged with fiery orangescarlet; wings rosy-salmon; most decorative; strong grower, good size and form.

Per pkt., 15c.; 25c. per 2 pkts; ¼ oz., 6oc.; \$2.00

King White A "perfect" white Spencer Sweet Pea, and much superior in form, size and substance to all others of this color. Whereas the petals of other white Spencers are thin and the standards generally inclined to reflex, King White has a substance to spare, while the standards are of immense size, bold expanded form, yet exquisitely waved. It is

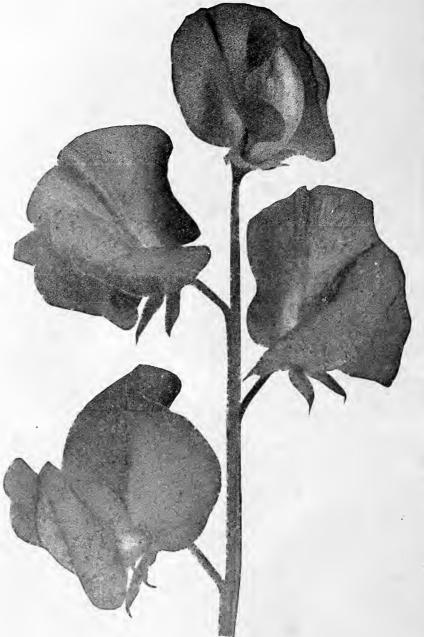
an extremely vigorous grower, very floriferous and gives a large proportion of four-flowered sprays. It received an Award of Merit from the National Sweet Pea Society of England, July, 1912. It was also awarded a Certificate of Merit by the Pennsylvania Horticultural Society at the Sweet Pea Show in Philadelphia, June 26th, 1913, and also by The Royal Horticultural Society

of England, July, 1913.

Per pkt., 10c.; 50c. per oz.; per ¼ lb., \$1.50; \$5.00 per lb.

Illuminator The most charming color, or rather Sweet Peas, and very difficult to describe. The name conveys in part one of the charms of this beautiful variety, as the warm salmon=orange ground color of the flower scintillates through the rich, bright cerise-pink and illuminates the flower delightfully. Illuminator is of strong, vigorous growth and blooms most profusely. The flowers, well placed upon long, stout stems, are uniformly of great substance, the standard being bold, expanded and attractively waved. Awarded Certificate of Merit by the Pennsylvania Horticultural Society, Philadelphia, June 26th, 1913.

Per pkt., 10c.; 50c. per oz.; per ¼ lb., \$1.50; \$5.00 per lb.



New Spencer Sweet Pea-Fiery Cross

Margaret Atlee One of the largest and finest Sweet Peas yet introduced. The flowers are of immense size, often measuring two and one-half inches across the standard, exquisitely waved and freely produced in "fours" on long, stout stems; color, a rich glowing pink on cream ground, softly suffused with salmon in the standard, while the wings are a pleasing shade of pinkish rose and salmon.

Wedgwood

This new variety is appropriately named, as its color throughout is a unique shade of Wedgwood blue,—a color so popular in China and destined now to become almost equally famous in this distinct new Sweet Pea. Wedgwood produces profusely flowers of good size, borne almost uniformly in four= flowered sprays, well placed upon long stout stems. Of finest Spencer form, the standard and wings are well waved. Per pkt., 10c.; 50c. per oz.; per 1/4 lb., \$1.50; \$5.00 per lb.

SPECIAL OFFER.—One packet each of the 7 varieties of New Spencer Sweet Peas offered on this page for 90c.

MICHELL'S DISTINCTIVE

Our flower seeds have a reputation for their superior quality and for the excellent results obtained by sowing them. It is our constant endeavor to supply only such varieties and strains that will give the best of satisfaction.

Throughout the following pages of Flower Seeds the different varieties are designated as Annuals, Biennials, Perennials. and for the benefit of those who are not familiar with these terms, we wish to make the following brief explanation:

Annuals. These grow and bloom, mature their seed and then die in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., some of which may be sown in the house from March to May, or outdoors after danger from frost is over.

Biennials. These grow from seed sown during mid-summer, flowering the second year, after which they die; many of the varieties bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc. Perennials. Those which live from year to year, such as Aquilegia, Delphinium, Foxgloves, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not usually needing any protection after the first winter; the half-hardy perennials require protection during the winter, and the tender perennials during the winter require greenhouse protection.

A COMPLETE INDEX OF FLOWER SEEDS WILL BE FOUND ON THE FIRST TWO PAGES OF CATALOG. FOR NOVELTIES, SEE PAGES 65 TO 70.

ABUTILON (Chinese Bell Flower) Large Pkt. Pkt. hoice Mixed. Used extensively for ornamental bedding, also valuable for flowering indoors during the winter; seed should be started in heat from January till March; foliage is of maple form and has variegated coloring; flowers bell-shaped; height, \$0.10 ACHILLEA (Milfoil or Yarrow) Ptarmica, Fl. Pl., "The Pearl." Tall erect plant

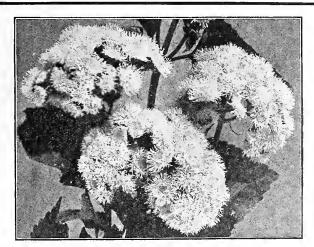
bearing its pure white double flowers in great profusion all summer; hardy perennial; flowering the first season if seed is sown early; 2 feet...................50 ACONITUM (Monk's Head or Helmet Flower)

Hardly perennial, thriving best in semi-shady situations; curious hood-shaped flowers in clusters; height, 4 feet; August-

•			T 70.	- TOT .
			Large Pkt.	Pkt.
Napellus,	Blue		\$0,25	\$0.05
		OCT TRITTING	, ,	, ,

ACROCLINIUM (Everlasting Flower) Showy free-flowering annual plants, the flowers should be

Snowy, free-nowering annual plants; the flowers	shou.	ld be
picked before they expand and hung with the tops	down	ward
to dry; I foot.		
Lar	ge Pkt.	. Pkt.
Double Rose Pink	0.30	\$0.05
" White	.30	.05
Wixed	.15	.05
Single Mixed	.15	.05
ADLUMIA (Mountain Fringe or Allegheny V	Zina)	
Cirrhosa. A charming hardy biennial climber, bloom-	AACO)	
ing the fact reasons delicate full climber, bloom-		
ing the first season; delicate, feathery foliage, rose-		
colored flowers; 15 feet	.50	.10
ADONIS		
Vernalis (Ox Eye). One of the choicest spring		
flowering perennial plants; finely cut, ornamental		
foliage vellow flowers: I fact		
foliage, yellow flowers; I foot	.30	.05
AGROSTEMMA		
Coronaria (Mullein Pink). Stout erect growing		
plants with silvery foliage and bright crimson flow-		
ers; hardy perennial; $2\frac{1}{2}$ to 3 feet; July and Au-		
gust	T	



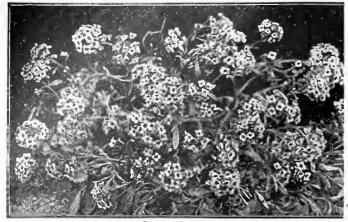
Ageratum, Blue Perfection

AGERATUM (Floss Flower)

An excellent plant for edging or solid effects. For early bloom sow indoors from March till May; sown outdoors in May will flower in August. A continuous bloomer.

Blue Perfection. Large heads of deep blue flow-	Pkt.	Pkt.
ers produced in abundance; 15 inches	0.20	\$0.10
Little Blue Star. Exceedingly dwarf and pretty;		
plants densely covered with bright blue flowers;		
height, 5 inches	.50	.15
Imperial Dwarf Blue. A compact growing plant;		
height, 9 inches	.15	.05
Imperial Dwarf White	.15	.05
Imperial Dwarf Mixed	.15	.05
Cope's Pet. Azure blue, 6 inches	,20	.Io
Princess Victoria Louise. Light blue, white eye	.20	.IO
Grandiflorum Album. Extreme large flowers of		
purest white; height, I foot	.15	.IO





ALYSSUM

One of the most popular garden flowers; remaining in bloom the entire season; used for edging or in rockeries or vases.

	, ,	
Larg	e pkt.	Pkt.
Little Gem. Dwarf compact plants, densely cov-		
ered with large pure white flowers; height, 4		
inchesoz., 75c.\$6	0.20	\$0.05
Little Dorritt. Extremely dwarf and compact, form-		
ing perfect little bushes with miniature white flow-		
ers; ideal for narrow edgesz., \$1.00	.20	.05
Lilac Queen. Of dwarf compact growth, with flowers		
of a pure lilac color; 4 inches	.40	.Io
Lutescens (New). Of dwarf, compact habit, with		
yellow flowers; annual; 4 inches	.40	.IO
Sweet. The popular old-fashioned sort, the best		
for broad edges and vases. Pure white; height,		
6 inchesoz, 25c.	.15	.05
Saxatile Compactum (Basket of Gold). An ideal		
hardy perennial plant, flowering in May; showy		
golden yellow flowers; blooms the first season if		
sown early indoors; I footoz., 60c.	.15	.05

AMARANTHUS

Decorative foliage plants, easily raised from seed, either by starting them early indoors or sown outdoors in May.

starting them early indoors of sown outdoors in i	viuj.	
	Large pkt.	Pkt.
Caudatus (Love Lies Bleeding). Drooping crims	son	
racemes	\$0.15	\$0.05
Cruentus (Prince's Feather). Dark red	15	.05
Sunrise. Bronzy crimson foliage shading off to brig	ht	
scarlet leaves toward top of stalks	20	.10
Tricolor Splendens (Joseph's Coat). Leaves re	ed,	
yellow and green		.05
Mixed. All sorts	15	.05
AMPELOPSIS (Boston or Japanese	Ivy)	
Veitchi. A hardy perennial climber with olive-gre	en	
leaves, which turn to scarlet in the autumn. T	he	
best hardy vine for covering brick or stone buil	ld-	

ings or walls......oz., 40c. .15 ANCHUSA (Sea Bugloss)

.10

	A strong growing hai	
perennial plant, 4	feet high, with beautiful flo	w-
ers of a lovely ger	tian blue	40 .15

ANEMONE (Wind Flower)

A dainty spring flower with bright cup-shaped blossoms; splendid for cutting; perennial.

		Large pkt.	Pkt.
Coronaria Mixed. All	colors; I foo	ot\$0.20 S	60.05
St. Brigid, or Poppy.	Flowers larg	ge, semi-double	
and double: I foot.		40	TE

ANTHEMIS (Hardy Marguerite)

Tinctoria Kelwayi. A handsome hardy perennial,		
bearing all summer, daisy-like bright vellow flow-		
ers; 2 feet	.25	.10

ANTIRRHINUM (Snapdragon)

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter. To have flowers early sow indoors during February or March, but even if sown outdoors in May it will flower profusely in September.

MICHELL'S GIANT ANTIRRHINUMS

This strain produces stout heavy spikes, 2 to 3 feet in length, dressed with giant flowers of the purest colors.

Michell's Giant Salmon Pink. A valuable addition to this popular flower; long spikes of a delicate

salmon pink color.....\$0.40 \$0.15 Silver Pink. A fine variety; long spikes and a profuse bloomer. Original pkt. \$1.00

profuse broomer. Original pict., \$1.00.		
Nelrose. Pink; long spikes		.50
Giant Pink	.25	.10
Giant Scarlet	.25	.10
Giant Striped	.25	.10
Giant White	.25	.10
Giant Yellow	.25	.IO
Giant Venus. Shell pink on white ground	40	TE

Giant Mixed20 One pkt. each of the above six colors 50c.

Tall Mixed. A fine selection. Pkt., 5c.; 15c. large pkt.; oz., 4oc.

Imported Collection, 10 Tall Varieties. 40c.

SEMI-DWARF ANTIRRHINUMS

The plants grow but 18 in. high, but have extreme large flowers over most part of the stem.

Captivation. Rich chamois, shaded pink. Pkt., 25c.

Daphne. Carmine pink, white throat. Pkt., 10c.; 25c. large pkt.

Defiance. Fiery scarlet. Pkt., ioc.; 25c. large pkt.

Golden Beauty. Golden yellow. Pkt., 25c.

Golden Queen. Golden yellow, giant flowers. Pkt., 10c.; 25c. large pkt.

Mauve Beauty. Rosy mauve. Pkt., 3oc.

Pink Gem. Rose pink. Pkt., 25C.

Queen of the North. Of purest white. Pkt., 10c.; 25c. large pkt.

Spitfire. Orange scarlet. Pkt., 25c.

The Bride. Pure white. Pkt., Ioc.; 3oc. large pkt.

Mixed. All colors. Pkt., 10c.; 20c. large pkt.

Imported Collection, 10 Semi-Dwarf Varieties. 40c.

DWARF ANTIRRHINUMS

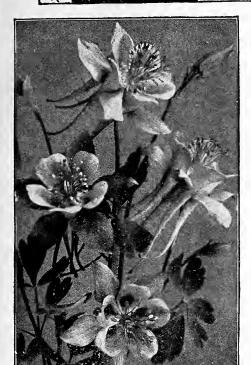
The Dwarf or Tom Thumb varieties are excellent for bedding; also for edges. Height, 12 inches.

Tom Thumb Mixed. All colors. Pkt., 10c.; 20c. large pkt.

Giant Antirrhinum (Snapdragon) Ask for Cultural Leaflet No. 201 on the growing of Antirrhinums

MICHELL

MIGHT FLOWER SEEDS



Aquilegia (Columbine) Long Spurred

ARGEMONE (Mexican or Prickly Poppy)

Hybrida Grandiflora. Easily grown showy annuals; branching plants about 3 feet high, with large single Poppy-like flowers, in various shades from rich yellow to creamy white. Pkt., Ioc.; 2oc. per large pkt.

ARMERIA (Sea Pink or Thrift)

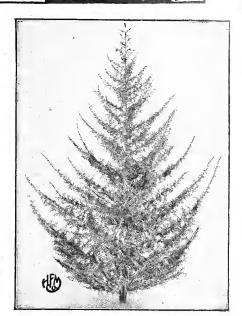
Formosa. A pretty hardy perennial for edgings; blooming all summer; rosy pink flowers; 9 inches. Pkt., 10c.; 25c. per large pkt.

ARTEMISIA

Sacrorum Viridis (Summer Fir). A new ornamental foliage plant from China; pyramidal bushes 3 to 5 feet high; may be grown in groups and borders; also pretty as a pot plant; foliage fine and of a rich dark green. Per pkt., 15c.; 3oc. per large pkt.

Arundo, (Ornamental Grass) See page 88

See Page 152 for AOUILEGIA PLANTS



Artemisia, Sacrorum Viridis

ASPARAGUS

100 Seeds. Pkt.

- Hatcheri. Of dense and symmetrical growth; dainty fern-like fronds set close together along the stalk; valuable for decorative use, also for specimen pot plants\$1.50 \$0.25
- Plumosus Nanus. An excellent plant for house or conservatory decoration or cutting on account of its graceful, finely cut foliage; will remain fresh a long time after being cut 1.00
- .25 Sprengeri. One of the best plants to grow in hanging baskets or window boxes for the greenhouse. .IO

ASPERULA (Woodruff)

Large Pkt. Pkt.

Odorata. Dwarf spring flowers of purest white, thrives in shady situations; perennial; I foot; May.\$0.20 \$0.05



Arctotis Grandis

AQUILEGIAS OR COLUMBINES

These are among the most beautiful of spring and early summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the foliage. Seed sown early in the spring will in most cases produce plants that will bloom the same season,

Long Spurred Hybrids. Flowers of many rich and varied colors, with long spurs......\$0.40 .IO oI. Californica Hybrida. Mixed colors; long spurs.... 40 .Io Coerulea (Rocky Mountain Columbine). Large flow-.io .20 .05 .15 .05 .05

ARABIS (Rock Cress)

Alpina. Early spring flowering plants especially adapted for edging and rockery; plants form a dense carpet completely covered with pure white

ARCTOTIS (African Daisy)

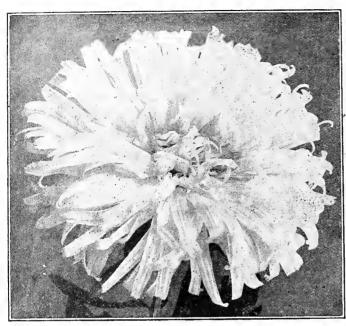
Grandis. Bushy annual plants, producing the entire season, on long stems, large daisy-like flowers, pure white on the upper surface, the reverse side .IO

GLADSTONE, MICH.

Gentlemen:—Inclosed find money order to cover the above order of seeds. Your flower seeds were received and planted and are now potted up and growing vigor-ously; it is a great satisfaction to have such perfect seed. Yours truly,

MICHELL'S SUPERB ASTERS

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July till September this flower reigns supreme in the garden, not equaled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. Many of the strains we offer are grown under our own supervision by specialists in this country. To have early flowers sow the seed in the house from March till May; otherwise sow outdoors after danger from frost has passed. To do well Asters require a well pulverized soil, always kept open by continuous cultivation.



Pink Superb Aster

NEW ASTER MICHELL'S PINK SUPERB

This new and valuable variety of Aster is really "Superb" in every sense of the word. The flowers are of immense size, petals long and broad, those in the centre lie curled and incurved to such an extent that the crown is completely covered; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a beautiful shade of pink. One of the admirable features of this new variety is the exceedingly long stems, making it a valuable sort for cutting. Per pkt., 25c.; 65c. per large pkt.; per ½ oz., \$1.50.

ASTERMUM

A new and valuable variety of Aster; plants grow straight up with strong, sturdy stems, starting near the base, and owing to the symmetry of the plant, they may be set more closely than other varieties. Each plant yields from ten to fifteen blooms, which last a long while after being cut.

		1	arge Pkt	. Pkt.
Lavender ¹ / ₄	oz.,	\$1.00	\$0.65	\$0.15
Rose Pink				
Shell Pink	oz.,	1.00	.65	.15
White			.65	
Mixed	oz.,	1.00	.65	.15

EARLY WONDER ASTER

The earliest variety in cultivation, coming into bloom several days before "Queen of the Market." The form is that of "Giant Comet" type; the flowers are large and very double; stems average 18 inches in length.

		Oz.	Large Pkt	. Pkt.
White	•	\$3.00	o \$0.50	\$0.10
Pink		3.0	.50	.Io

 $\ensuremath{\mathsf{Ask}}$ for Cultural Leaflet No. 202 on the Growing of Asters.

LADY ROOSEVELT ASTER

The flowers resemble huge incurved Chrysanthemums; the color is a gorgeous pink, of marvelous beauty. The robust plants produce stout stems, crowned with gigantic flowers. The seed we offer is selected from original specimens and then recleaned; so it must give absolute satisfaction. Per pkt., 15c.; 65c. per large pkt.; ¼ oz., \$1.50.

NEW CREGO ASTER

Our illustration can do but partial justice to this grand flower. The twisted and curled petals give the flower the appearance of a huge flat chrysanthemum. The flowers are very large, often measuring 5 inches in diameter. The strong erect stems average 20 to 24 inches in length. Though the flowers are large they are produced in abundance.

Oz. Large Pkt. Pkt.

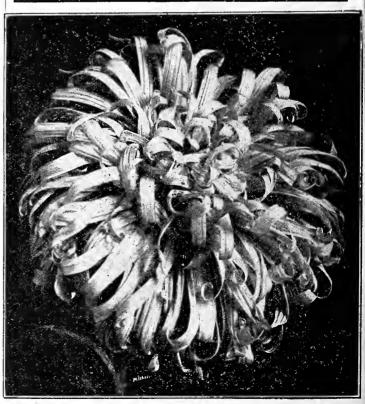
U2, L	arscra	
\$2.25	\$0.40	\$0.10
2.25	.40	.IO
2.25	.40	.10
2.25	.40	.IO
2.25	.40	.10
. 2.00	.40	.Io
	\$2.25 2.25 2.25 2.25 2.25 2.25	2.25 .40 2.25 .40

See pages 75 and 76 for other valuable varieties of Asters.

YORKTOWN HEIGHTS, N. Y.

Gentlemen:—Michell's Pink Superb Aster is in all respects a valuable acquisition. The plants are extra strong growers, one plant covering a space of two and one-half feet square, and the beautiful pink flowers are of extraordinary size. It gives me pleasure to testify to the merits of this Aster.

Yours truly, W. E. V.



Crego Aster

MICHELL'S SUPERB ASTERS



Aster-Michell's Improved Semple's Branching

MICHELL'S IMPROVED SEMPLE'S BRANCHING ASTER

This is the finest late blooming Aster. The deep, heavy incurved flowers are borne on rigid stems often 2 feet and more in length. Our Improved Strain has been secured after many years of careful selection. The colors are clear and attractive, which, with the long stems, make it one of the most valuable varieties for cutting. We have received numerous testimonials on the quality of this Aster.

Oz. Large Pkt.	. Pkt.
White\$1.50 \$0.40 \$	\$0.10
Shell Pink	.10
Lavender 1.50 .40	.IO
Rose Pink 1.50 .40	.ro
Purple 1.50 .40	.10
Crimson 1.50 .40	.IO
Choice Mixed	.IO
Collection, one packet each of above 6 colors	.50

MICHELL'S INVINCIBLE ASTER

Healthy, robust plants of branching growth; produce, on 2 foot long stems, massive pæony-formed flowers, which are always perfectly double. They begin to flower quite early in summer and remain perfect until checked by frost.

	Οz,	Large Pk	t. Pkt.
White	\$2.25	\$0.40	\$0.10
Rose Pink	2,25	.40	.IO
Lavender	2.25	.40	.10
Blue	2.25	.40	.10
Crimson	2.25	.40	.IO
Mixed. All colors	2.00	.40	.10
Collection, one packet each of above 5 colors			40

QUEEN OF THE MARKET ASTER

Very desirable on account of its earliness and the freedom in which it flowers. Well-formed flowers are produced on 12-inch stems in the greatest profusion early in July.

y yy -	Oz.	Large Pki	t, PKt
White	\$1.50	\$0.25	\$0.10
Blush Pink			.IO
Rose Pink			.IO
Light Blue	1.50	.25	OI.
Dark Blue			.IO
Crimson			,IO
Choice Mixed			.10
Collection, one packet each of above	e 6 ce	olors	.50

PAEONY-FLOWERED PRIZE ASTER (Truffaut's)

Perfectly shaped flowers, each petal regularly incurved to meet at the centre, carried straight on stems 18 inches high. Oz. Large Pkt. Pkt White\$2.25 \$0.40 Pink 2.25 .40 Light Blue 2.25
 Purple Violet
 2.25

 Crimson
 2.25
 .40 .ro .40 JO .IO

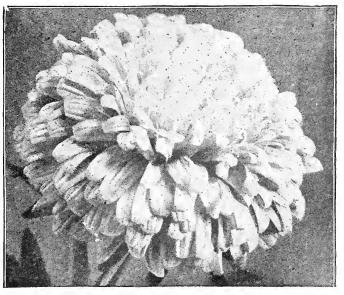
GIANT COMET ASTER

A flower of exquisite form, similar to the Hohenzollern and resembling Japanese Chrysanthemums; petals are curled downward at the tips and resemble ostrich feathers.

	OZ.	Larger	Ko I Ko
White	\$2.25	\$0.40	\$0.10
Peach Blossom	2.25	.40	.IO
Pink and White	2.25	.40	.IO
Light Blue	2.25	.40	.IO
Dark Blue	2.25	.40	.IO
Crimson	2.25	.40	.Io
Choice Mixed	2.00	.40	.IO
Collection, one pkt. each of above 6	color	s	50

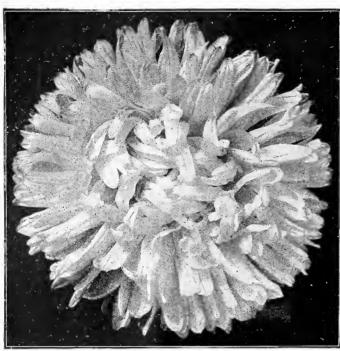
PEERLESS PINK ASTER

This is one of the finest of the late branching types, but comes into bloom a little earlier. The plants are of robust habit, and produce on long stems large and perfectly double flowers of a beautiful shell pink, very similar iu shade to the Mary Semple variety. Per pkt., 15; 50c. per large pkt.; per oz., \$3.00.



Aster-Invincible

MICHELL'S SUPERB ASTERS



Aster, Early Royal Branching

ASTER, EARLY ROYAL BRANCHING

An excellent strain of Early Branching Aster, coming into bloom in July or early August. An excellent variety for\$3.00 \$0.50 \$0.10 Rose Pink 3.00 Shell Pink..... 3.00 Lavender 3.00 Purple 3.00 .10 ΤO Collection, one packet each of above 5 colors.....

ASTERS OF THE "DAYBREAK" TYPE

The Daybreak class forms strong plants of symmetrical growth; flowers large, perfectly double and carried on long, erect stems, seldom less than 18 inches in length.

Michell's Purity (White Daybreak). Very

free flowering; plants are literally one mass Oz. Large Pkt. Pkt. of snow-white flowers\$3.00 \$0.40 \$0.10 Pink Daybreak. Flowers large, double and of a delicate pink 3.00 .IO Lavender Daybreak. Large flowers of a beautiful shade of lavender 3.00 .15 Salmon Daybreak. A splendid addition to the Daybreak class; the color is not only novel, but of a very pleasing shade...... 3.25 .15 Collection, one packet each of above 4 colors.....

IMPROVED VICTORIA ASTER

A compact upright growing plant with stout stems and deep, full flowers of large size; height, 18 inches. Oz. Large Pkt. Pkt. \$0.10 White\$3.00 \$0.40 Pink 3.00 .TO Light Blue 3.00 .IO .40 Purple 3.00 .IO .40 Scarlet 3.00 .40 .IO Choice Mixed 2.50 .IO Collection, one packet each of above 5 colors.....

ASTERS—Miscellaneous Sorts

ASTERS—Wiscendicous So.	LO	
Enchantress Pink. Of vigorous, branching		
habit, with long stems; the beautiful, large		
double flowers have the delicate pink shade Oz.	Large Pkt.	Pkt.
of the Enchantress Carnation\$3.0	o \$0.50	\$0.15
Lavender Gem. A beautiful variety of the		
Comet type, with large, perfectly double		
flowers of a delicate shade of lavender; 2		
feet 32	5 .50	.15
Mikado Pink or Rochester. Plants of branch-		
ing habit, and produce flowers of immense		
size, with long narrow, gracefully reflexed		
petals. Color, shell pink 2.2	5 .40	.IO
Pink Beauty. An excellent variety of the		
chrysanthemum flowered type; strong, up-		
right growth producing an abundance of im-		
mense double flowers; inner petals incurved,		
outer reflexed. Color, a soft, delicate blush		
pink 3.0	.50	.15
Rose King. Habit of growth similar to the		
Branching Aster, in form the flower is dis-		
tinct; petals resemble the quilled varieties,		
but are larger and broader, those in the		
centre being curled and incurved 2.2	25 .40	.15
Violet King. Of the same habit of growth		
and form of flower as above; color, soft		
violet lilac	.40	.10
White King. This variety will attract the at-		
tention of every one who is acquainted with the Violet King. The flowers are large, full		
centered and pure white; stems long, 16 to 20 inches; profuse bloomer	00 .50	.15
China or German Mixed. This mixture con-	.50	.15
tains many different sorts and colors	óo ,20	.05
tams many different sorts and colors	,20	.05
PERENNIAL ASTER (Michaelman	Daisy)	
A PUBLICATION OF PARK (MICHAELMA)		

PERENNIAL ASTER (Michaelmas Daisy)

Choice Mixed. One of the showiest of our late flowering, perennial plants; star-like, single flowers; if sown early in spring will flower the first Large season; 2 feet\$0.30



Violet King Aster

MIGHT FLOWER SEEDS

AURICULA (Primula Auricula)

Large Pkt. Pkt. Choice Mixed. These early flowering perennial plants resemble primroses and have multi-colored flowers in great variety; I foot; May.....\$0.50 \$0.10

AVENA (Ornamental Grass) (See Page 88)



Balsam-Camellia Flowered

DOUBLE BALSAM (Lady's Slipper)

These old-fashioned flowers have been much improved, nd what we offer are perfect in form and of the largest ize. Give Balsams plenty of room and they will develop to mmense plants with gorgeous flowers. They are of easy :ulture and will surely succeed almost anywhere; height, 2

eet.		Oz. I	arge Pk	t. Pkt
Camellia	Flowered,	Pink\$1.00	\$0.25	\$0.0
66	66	Scarlet 1.00		
66	46	White Perfection 1.50		
66	"	Prince Bismarck. Rich	U	
•		salmon pink 1.50	.30	.10
33	66	Choicest Mixed75	,20	.IC
ine Mi	xed		.15	.0
mported	Collection	of 6 Colors		.30

BALLOON VINE (Love-in-a-Puff)

Pkt. A rapid growing annual climber, with white blossoms; seed pods look like miniature balloons.. \$0.20 \$0.05

BALSAM APPLE (Momordica)

Remarkably handsome climbing annuals, bearing ornamental orange-colored fruit which when Large ripe opens, showing a brilliant crimson interior. Pkt. oz., 30c.\$0.15 \$0.05

BAPTISIA (False Indigo)

Australis. A strong growing perennial plant about 2 feet high, with dark green, deeply cut foliage and spikes of dark blue flowers in June and July .25 .05

BARTONIA

.05

BEAN (Runner)

A rapid climber, flowering profusely; grows 10 to 15 feet high.

Butterfly Runner. A new and distinct variety; the flowers are of large size and borne in great profusion; color, pink and white. Oz., 15c.; pkt., 5c. Scarlet. Pint, 3oc.; pkt., 5c.

White. Pint, 30c.; pkt., 5c.

BEGONIA (Semperflorens Type)

The value of flowering Begonias as bedding plants has been fully established and the gorgeous effects they have produced have placed them in the front rank of bedding plants. Seeds sown in February or March under glass will produce nice plants for planting out in June. Large Pkt. Pkt Vernon. Deep red flowers and bronzy-red foliage.\$0.30 Erfordia. Delicate pink, one of the choicest..... .15 1.00 growth; flowers_deep_red..... .15 Salmon Queen. Flowers brilliant salmon red; foliage dark green, with reddish hue..... Zulu King. Blood red flowers and dark red leaves .15 .10

BEGONIA, GRACILIS

This is undoubtedly the finest outdoor flowering Begonia; plants are literally covered with flowers throughout the summer; height, I foot.

Gracilis Bonfire (New). Plant of compact habit; large sprays of flowers of a lustrous carmine color; foliage brownish red..... .20 .20 .20

Alba. Pure white15 Rosea. Light pink15

BEGONIA, REX HYBRIDS Beautifully formed leaves with colored markings;

.25

.05

BEGONIA, TUBEROUS ROOTED

These magnificent flowers are becoming very popular because they are of easy culture and extremely showy; thrive best in semi-shady situations.

International Prize, Single. The seed we offer is Large saved from the finest specimens and only the Pkt. Pkt. \$0.25 largest flowers Single Choice Mixed \$0.65 Double Choice Mixed

BOCCONIA (Plume Poppy)

Cordata. A splendid hardy perennial, with glaucous green foliage and spikes 2 to 3 feet long of creamy white flowers; 5 feet.....

MICHELLS FLOWER SEEDS

518 PHILA.

BELLIS PERENNIS (See Daisy)

BOLTONIA (False Chamomile) Large pkt. Pkt. Latisquama. A tall, late flowering plant with aster-like flowers of pinkish lavender; perennial; 6 feet; September..........\$0.30 \$0.10

BRACHYCOME (Swan River Datsy)

BRIZA MAXIMA—ORNAMENTAL GRASS (See page 88) BROMUS—ORNAMENTAL GRASS (See page 88)

BROWALLIA

One of our favorite bedding plants, producing beautiful flowers during the summer and autumn months; grows freely in any rich soil; blooms finely in the winter if the plants are lifted and cut back; 18 inches. Largepkt. Pkt. Elata Coerulea. Large sky-blue flowers........\$0.20 \$0.05 Speciosa Major. Large-flowering variety of brilliant ultramarine blue; desirable as a pot plant for winter and early spring flowering.............................50 .10



Calendula-Pot Marigold

CALENDULA (Pot Marigold)

Free flowering annuals of easy culture, continuing in bloom from early summer until killed by frost. They may also be successfully grown in pots indoors.

Oz.	Large Pkt.	Pkt,
Grandiflora. Large orange-yellow\$0.25	\$0.15	\$0.05
Lemon King. Lemon-vellow	. 15	.05
Meteor. Yellow striped with orange25	.15	.05
Orange King. Rich dark orange	.15	.05
Prince of Orange. Dark orange striped25	.15	.05
Sulphurea. Beautiful sulphur yellow25	.15	.05
Mixed	.15	.05

CALCEOLARIA

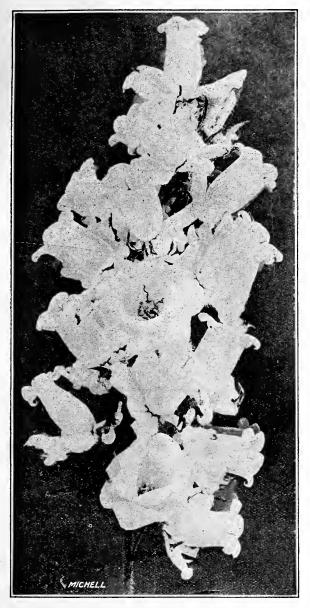


Calliopsis

CALLIOPSIS (Coreopsis) Free flowering plants blooming very early and continuing until frost. Showy and excellent for cutting. Golden Wave. Large yellow flowers with Oz. Large pkt. Pkt. \$0.15 \$0.05 .05 .15 .05 PERENNIAL VARIETIES Lanceolata Grandiflora. Single golden yellow flowers of graceful form; invaluable for cutting; blooms the entire summerIO .15 California Sunbeams. Very large flowers beautifully formed; shades of yellow and .IO .20 brown

Dog





Canterbury Bell

CAMPANULA MEDIA (Canterbury Bell)

Showy, hardy biennial, growing about 3 feet high; of pyramidal form and covered with large bell-shaped flowers. Sow from June 1st till September 1st; when strong enough transplant to a distance of 6 inches apart; after frost has set in protect with leaves and straw.

	with leaves and straw,		
		Large Pkt.	Pkt.
Single	Blue	\$0.15	\$0.05
	Pink	15	.05
	White	15	.05
••	Mixed	15	.05
Double	Mixed	25	.05

CAMPANULA CALYCANTHEMA

(Cup and Saucer Canterbury Bells)

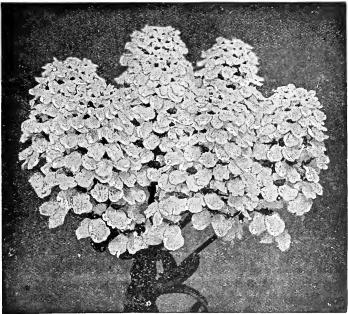
These produce beautiful, large single flowers, resembling a cup and saucer; they require the same treatment as above.

White			 	٠.		 	•												Lar	ge \$	Pkt. 0.30	Pkt. \$0.10
Pink Blue		 	 	٠.	 	 				 								٠.			.30	.IO
Mixed	٠,		 	• •		 • •		:	• •	 	• •		• •	:	• •	• •	• •			•	.25	.Io

CAMPANULAS OR BELLFLOWERS PERENNIAL VARIETIES

These are among our best known hardy perennials; the tall varieties are fine for cutting while the dwarf sorts make excellent border plants; all have dainty bell-shaped flowers.

border plants; all have dainty bell-shaped flowers.	
Large Pkt.	Pkt,
Carpatica, Blue. (Carpathian Hare Bell). Compact	
tufts not exceeding 8 inches; flowers clear blue,	
held erect; blooms in June and July\$0.20	\$0.05
Carpatica, Alba. Pure white	.05
Persicifolia Grandiflora, Blue (Peach Bells). Stately	·
spikes, 4 feet tall with immense blue bell-shaped	
flowers	.15
Persicifolia Grandiflora, Alba. Pure white30	.15
Pyramidalis (Chimney Bell Flower). Perfect pyra-	
mids 6 feet high crowded with large bell-shaped	
flowers, blue and white mixed	.05
	.03
CANARY BIRD FLOWER	
One of the most charming annual climbers, bearing	
an abundance of bright yellow, fringed flow-	
ersoz. 30c15	.05



Michell's Giant White Candytuft

CANDYTUFT (Iberis)

Splendid edging plants, flowering within six weeks after sowing; height, I foot. They are excellent for cutting.

Large Pkt. Pkt. Michell's Giant White. The largest and finest white. From 10 to 12 immense spikes resembling Hyacinths appear on a single plant; fine for forcingoz. 6oc. \$0.20 Empress. An excellent variety with long trusses of
 Crimson
 .0z. 25c. .15

 Carmine.
 Deep scarlet
 .0z. 40c. .15
 .05 .05 .05 White Rocket. Long spikesoz. 20c. Little Prince. Very dwarf and compact with pure .05 .Io .05 Imported Collection, 6 Colors
Sempervirens. Dwarf spring flowering perennial plants; ideal for the bulb border, flowers of glistening white, May, 8 inches CANNA (Indian Shot)

Although these are generally planted from roots, they may be grown with comparative ease from seed. Scrape or file the edge of seed and soak in warm water until they show signs of swelling, then sow in sandy loam and place in a hot bed.

Crozy's Dwarf Mixed. From the finest sorts.....\$0.25 \$0.05



Carnation-Marguerite

CARDINAL CLIMBER

(Ipomoea Quamoclit) (Hybrida)

A distinct and beautiful new annual climber; a very rapid grower and free bloomer; the vines branch freely, covering a large space very quickly and growing to a height of 20 to 30 feet. Leaves dark green and deeply laciniated; bears a great profusion of fiery, cardinal red flowers, which are about 11/2 inches in diameter. Per pkt., 15c.; 65c. per large pkt.

Ask for Cultural Leaflet No. 213 on the growing of

from Seed



Cardinal Climber

CARNATION Carnations

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture

.25 Choice Mixed Double. All sortsIO

MARGUERITE CARNATIONS

These are the most satisfactory of the annual pinks; and will bloom in four months after sowing the seed. The flowers are large, always perfect, fragrant and are produced continuously. If slightly protected the first winter, they will revive the following spring and bloom during that whole season. Large Excelsior Mixed. Immense flowers in all the beau-Pkt.

tiful shades\$0.40 \$0.15 .Io White .40 Scarlet .40 .Io .IO Yellow .IO

CASTOR OIL BEAN (See Ricinus)

CELOSIA CRISTATA (Crested Cockscomb)

Very desirable for garden effects or edging; easily grown; produces large, brilliant comb-like heads. Large Pkt. Pkt. \$0.10 .IO .Io .50 .05

CELOSIA PLUMOSA (Feathered Cockscomb)

A splendid decorative plant for the garden. The feathery plumes are produced on long stems and are excellent for cutting.

Large Pkt. Pkt. Pride of Castle Gould. Large flower heads of many colors, in mixture\$0.40 \$0.15 .Io .IO Spicata. Of pyramid growth; flowers pink shad-.10 magnificent shades

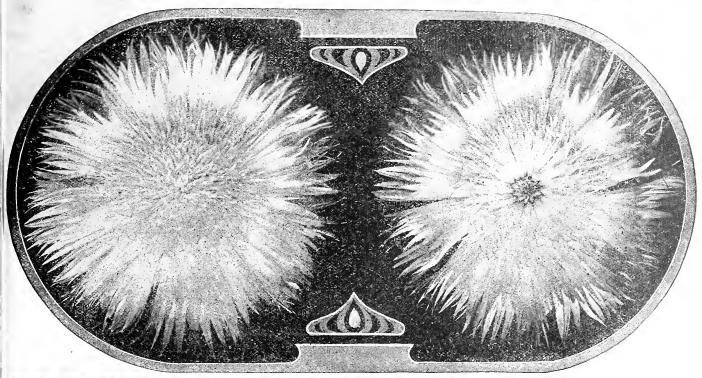
Thompson's Superb. A strain with bronze colored .Io foliage and graceful feathery plumes of brilliant crimson; 2 feet..... .10 Choice Mixed. All colorsoz., 50c. .15 .05

In order to have good germination of the seed of Cardinal Climber, a small notch should be filed or cut in each seed.



Celosia-Pride of Castle Gould

MICHELL'S CENTAUREAS





Centaurea Cyanus (Corn Flower)

Centaurea Imperialis (Natural Size)

CENTAUREAS CENTAUREA IMPERIALIS (Giant Cornflower, or Sweet Sultan)

Gigantic, beautiful, sweet-scented flowers borne on long stems. They are well adapted for cutting and remain fresh long after being cut. Height of plant, 2 to 3 feet.

3 - 5 - F, - to 3 - to to			
	Oz.	Large Pk	t. Pkt.
Deep Rose	.\$1.00	\$0.20	\$0.10
Lavender	. 1.00	.20	.10
Lilac	. 1.00	.20	.10
Brilliant Pink	. 1.00	.20	.10
Purple	. 1.00	.20	.10
White			.10
Choice Mixed	75	.15	.10
Collection. One packet each of above 6 vari	eties.		.50
NEW CLANT FLOWEDED CEN			

CENTAUREA CYANUS (Cornflower or Bachelor's Button)

Also known as Blue Bottle, Ragged Sailor, Bluet, etc.; an old favorite garden annual, flowering freely in almost any situation;

		Large Pkt. Pkt.
Emperor William. Deep blue		
Double Blue. Very large	I.oo	.20 .10
Pink	30	.15 .05
White		
Choice Mixed		
Double Mixed	50	.15 .05
WHITE LEAVED CENTAUREA	Dusty	Miller)

Grown for their silvery foliage as edging plants. 500 Seeds Pkt. Gymnocarpa. Fine cut silvery gray foliage......\$0.20 \$0.10 Candidissima. Broad cut leaves of silvery gray......30 .10

VARIOUS CENTAUREAS

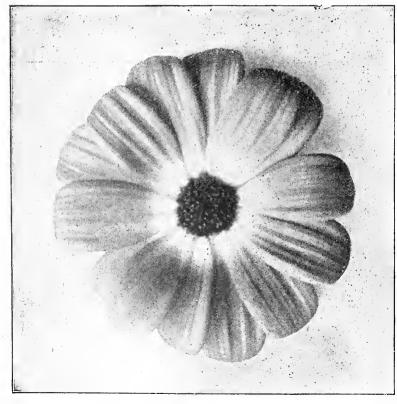
AVEROOD CELLENGERS	
Americana. An excellent variety, growing about Large	
3 feet high, with large, lilac purple, thistle-like Pkt.	Pkt.
flowers\$0.20	\$0.10
Margaritae. Large white flowers; fragrant25	.IO
Suaveolens. Bright yellow, fragrant blossoms15	.05
Montana. Blue; perennial; 18 inches	.10
Montana Alba. White	OI.

CERASTIUM (Snow in Summer) Large Pkt. Pkt.
Tomentosum. Dwarf, white-leaved edging plant; flowers
white; 4 inches\$0.40 \$0.15
CHRYSANTHEMUM—ANNUAL VARIETIES
Exquisitely colored daisy-like flowers with finely cut foliage; good for
cutting; also effective as a border plant. Large Pkt. Pkt
Helios (Evening Star). Extra large pure golden yellow
flowers often measuring 4 inches across; height, 2 feet\$0.15 \$0.10
White Star. Purest white
Inodorum, "Snowball." Large double flowers of finest white and good form; splendid for cutting; I foot20 .10
white and good form; spiendid for cutting; 1 foot
Double Mixed
CHRYSANTHEMUM—PERENNIAL VARIETIES
Mrs. C. Lothian Bell. Immense pure white flowers\$0.50 \$0.15 Frutescens Grandiflorum (Paris Daisy or Marguerite). Sin-
glewhite flowers
flowers on long stems; 2 feet
King Edward VII. Flowers extra large; pure white
Japanese Hybrids. Large flowers of the finest types; an
extra choice mixture; seed sown in spring will produce flowering plants by fall; 2 feet
flowering plants by fall; 2 feet
CLARKIA
Appeals of each culture: planted in large groups they are very bright

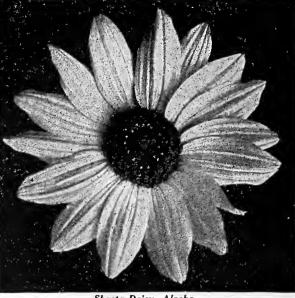
Annuals of ea	sy culture; planted in large groups they are very bri	ight
and effective; th	ne long graceful sprays are good for table decorations,	
	Large Pkt. I	
Single Mixed.	All colors\$0.15	0.05
Double Mixed.	All colors	.05

CLEOME (Spider Plant) An attractive annual plant with curious heads of flowers. Large Pkt. Pkt. \$0.05

COLEUS Large Leaved Hybrids, Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in warm temperature25



Cineraria-Michell's Grandiflora Prize



Shasta Daisy, Alaska

CINERARIA

One of the most ornamental and useful plants for conservatory or house decoration; seed may be sown from May to September for a succession. Our Grandiflora Prize Strain is the best procurable, producing immense trusses of the largest flowers, often measuring up to 4 inches across.

Large Pkt. Pkt.

colors; desirable as a decorative plant.	.75	-35
James' Giant Strain. A superb variety;		,
mixed colors	1.25	.50
Sutton's Superb. Mixed colors. Original		
pkt		.75
Matador. Large bright red flowers	.75	-35
Hybrida. Choice mixed colors	.65	.25
Radiata Hybrida. New varieties of the		-5
Star Cineraria in a wide range of colors		
and shades	77	.20
	./5	.20
Stellata (Sutton's). Medium sized star-		
like flowers. Original pkt		75
Stellata Hybrida. Of graceful and vigor-		
ous habit, producing a profusion of ele-		
gant flowers	.75	.25
WHITE-LEAVED (INERARIA (Dusty		
	ge Pkt.	
Maritima Candidissima. Silvery green		
laciniated foliage, good for edging	.15	.05
CLEMATIS	3	.05
Hardy perennial climbers; fine for ar	bors,	ver-

ers\$0.15 \$0.05 Jackmann's Large Flowering. Mixed; saved from the finest, large flowering .15 Paniculata (Japanese Virgin's Bower). The beautiful autumn flowering variety so much admired for its fragrant, white

Flammula. Feathery-white fragrant flow-

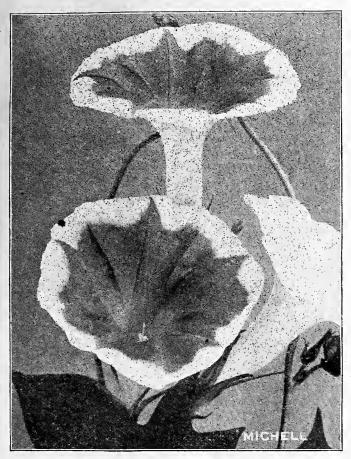
Well-known climber of rapid growth, producing large bell-shaped blossoms; in sowing, place the seeds edgewise, and merely cover with light soil.

White COCKSCOMB See Celosia
COIX LACHRYMAE (Ornamental Grass)

(See page 88)
COLUMBINE See Aquilegia

MICHES FLOWER SEEDS





Japanese Imperial Morning Glory (Convolvulus)

CONVOLVULUS (Morning Glory) MAJOR, OR TALL VARIETIES

One of the most popular annual climbers, growing about 15 feet in height and thriving in almost any situation.

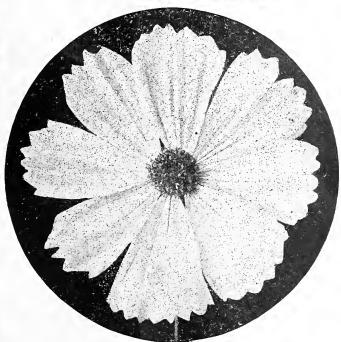
Japanese Imperial. Flowers of immense size and Oz.	Pkt.
of a great variety of colors\$0.25	\$0.05
Japanese Imperial Fringed. Large fringed flowers	
of many beautiful colors and shades	.IO
Snow Fairy. A new and beautiful variety, producing an abundance of large double, snow-white,	
tassel-like flowers	.Io
Mixed. The ordinary variety	.05
Double Flowering. Mixed colors	.Io
Imported Collection. 8 varieties	.30
MINOR, OR DWARF VARIETIES	
A very showy hardy annual for flower beds and borders rock work; height, I foot.	; also
Tricolor. Blue	.05

COREOPSIS—See Calliopsis

.05

CORN

CORNFLOWER—See Centaurea COWSLIP—See Primula Veris



Michell's Giant Fancy Cosmos

COSMOS

One of the most beautiful and useful of hardy annuals, producing large showy flowers in great profusion; excellent for cutting.

MICHELL'S LARGE EARLY FLOWERING

This new Early Flowering Strain will begin blooming as early as July and will continue until frost; flowers large, often measuring 3 inches across; 4 feet.

	Oz.	Large P	kt. Pkt.
Crimson	0.75	\$0.20	\$0.10
Pink	.75	.20	.10
White	-75	.20	.Io
Mixed	.60	.20	.10
Dawn. White flushed with pink	.75	.20	.IO

MICHELL'S GIANT OR LATE COSMOS

Large flowers of perfect form; on long stems and lasting until frost; 5 to 6 feet.

	Oz.	Large Pl	ct, Pkt.
Giant Pink	0.50	\$0.15	\$0.10
" Crimson	.50	.15	
" White	.50	.15	.10
" Mixed	.50	.15	.05
" Fancy Varieties. Mixed colors	1.00	.30	.10
" Crimson Ray (New) . Large flowers			
with narrow and fluted crimson petals,			
separated in star-like form		.25	.Io
Giant Lady Lenox. Flowers are of immense			
size, with wide overlapping petals, making a			
perfectly circular flower; color a beautiful			
shell pink	-75	.20	.Io
Giant White Lady. A selection from the			
Lady Lenox described above; flowers large,			
pure white	.75	.25	.10
Giant Rainbow. Delicate colorings	1.00	.25	.io
Klondyke. Large golden yellow flowers	1.00	.30	.IO
Double Pink Beauty (New). A large per-			
centage of the flowers come double, and			
the few singles produced are extra fine		.50	.25
Double White Queen. Pure white		.50	.25
Double Red Beauty. Cherry red			.50
Ask for Cultural Leaflet No. 214 on the grow	ing o	of Cosm	os.

k for Cultural Leaflet No. 214 on the growing of Cosmos.

CUPHEA (Gigar Plant)

Platycentra.	Interesting	bedding plant; the flower	
is shaped li	ke a hollow	cigar; color, scarlet with a	
black and v	white tip; I	foot\$0.30	\$0.10



Michell's "Distinctive" Giant Cyclamen

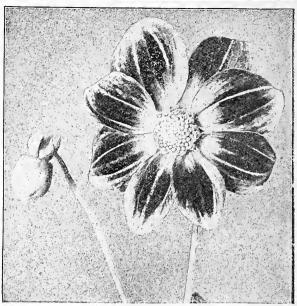
CYCLAMEN

Most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

MICHELL'S DISTINCTIVE GIANT	
Grown for us in England by a Specialist who has rec	
numerous First Prizes for the large size and beautiful col	oring
of the flowers.	
Duke of Connaught. Crimson\$1.50	\$0.50
Excelsior. White with red eye	.50
Grandiflora Alba. White	.50
Princess of Wales. Pink	.50
Salmon Queen. Salmon pink	.50
Mixed. All colors	.40
REGULAR GIGANTEUM STRAIN	
Grown for us by a Specialist in Germany.	
Giganteum Album. White	.35
Roseum. FIIIK	-35
Rubrum. Red 1.00	.35
white with carmine eye 1.00	.35
" Glory of Wandsbek. Extra large; salmony red color	25
salmony red color 1.75 "Mixed. Choicest strain 1.00	.25
	.25
VARIOUS CYCLAMEN	
Mrs. Buckston. Frilled and waved flowers; color	
delicate salmon. Original pkt	.75
fringed and borne on straight, upright stems; mixed	
colors 1.75	.50
Papilio (Butterfly). The edges of the flowers are	.30
beautifuly fringed or waved; mixed colors 1.50	.40
Persicum. Choice mixed\$0.40	\$0.10
Sutton's Giant. Choicest mixed. Original pkt	.75
Ask for Cultural Leaflet No. 215 on the growing of Cycle	ımen.
CYPERUS (Umbrella Plant) Large Pkt.	Pkt.
Alternifolius. An elegant plant for growing in	ı Kt.
water or damp places; useful as a pot plant40	.10
CYPRESS VINE (Ipomoca Quamoclit)	
A very graceful annual climber, with feathery foliage	and
beautiful, star-like flowers.	,
Oz.	Pkt.

Scarlet\$0.40

Mixed



Twentieth Century Dahlia

DAHLIAS FROM SEED

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises; seed should be started in the house from February till May and the young plants should not te set outdoors until danger from frost is past.

DOUBLE FLOWERING VARIETIES

Cactus, Choice Mixed		
SINGLE FLOWERING VARIETIES		
Giant Perfection. Immense single flowers of various colors, many beautifully striped and spotted Twentieth Century. Flowers of immense size with	.30	.10
distinct colorings; very handsome	.50	15
Collarette. Flowers of various colors, with a collar of small petals around the centre	.30	.15

For Dahlia Roots, see Pages 118 to 123

DAISY, ENGLISH DOUBLE (Bellis Perennis)

These are favorite perennials; seed should be sown from June 1st till September, transplanted in the fall and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches.

Monstrosa, Pink. These surpass all strains of this	
popular plant in growth and in the abundance of	
extra large, perfectly double flowers\$0.65	\$0.25
Monstrosa, White	.25
Monstrosa, Mixed	.25
Longfellow. Large double pink flowers	.10
Snowball. Purest white; large and double40	.10
Double Mixed. Finest quality	.10

DATURA (Trumpet Flower)

A most ornamental plant growing quite bushy with extra large trumpet-shaped flowers; height, 2 to 3 feet. Cornucopia (Horn of Plenty) Large double sweet-scented flowers; white marbled with purple......\$0.15 \$0.10 Double Golden. Golden yellow flowers; fragrant.. .15 .05 .05 Brugmansia (Arborea Simplex). Large, single white fragrant flowers, often 12 inches long............ 50 .15

\$0.05

.05

.05

MICHES FLOWER SEEDS

518 PHILA.

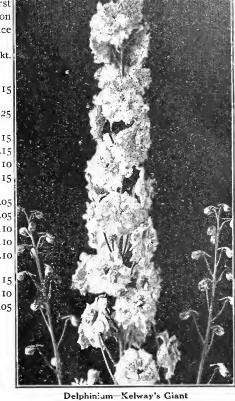
DELPHINIUM (Hardy Perennial Larkspur)

One of the finest hardy perennials; very easily grown from seed, blooming the first season if sown early. Very effective in beds, masses or borders. To prolong the season of bloom, cut the old flower stems off after they have faded, and new shoots will produce flower heads successfully.

Large	: Pkt.	Pkt
Kelway's Giant. A strain recognized the world over as a prize-winner; plants are of strong, vigorous growth, with immense spikes of large flowers; many shades of blue; 5 to 7 feet\$	0.50	\$0.15
Belladonna. One of the most continuous blooming varieties; immense spikes of clear turquoise blue; 5 feet	.65	.25
Rev. E. Lascelles. One of the finest varieties; large double, deep blue flowers with white centre	.50	Ţ
Duke of Connaught. Rich oxford blue with a distinct white eye	.50	.15
Formosum. Deep blue; 5 feet	.20	.10
Formosum Coelestinum. Sky blue	.30	I
Chinense Grandiflorum. A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet	.15	.0.
Chinense Grandiflorum Album. Pure white flowers	.15	.0
Cashmerianum. Dark blue; 18 inches	.50	.10
Elatum (Bee Larkspur). Rich blue; 4 feetoz., \$1.00	.25	. 10
Nudicaule. Bright scarlet; 18 inches	.50	.10
Queen Wilhelmina. Large flowers of a soft lavender blue, flushed with rose,		
white eye		.1
Zalil. Sulphur yellow; 4 feet	.50	.10
Hybridum Mixed. Choicest; 4 feetoz., 6oc.	.15	0
For Annual Larksspur, see page 91.		



Dianthus-Double Annual Pinks



For DELPHINIUM PLANTS See Page 134

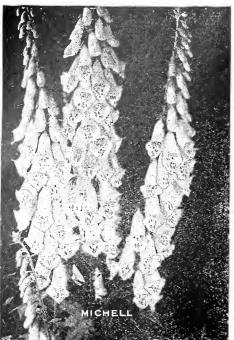
DIANTHUS (Pinks)

A most satisfactory class of flowers, easily raised from seed and which are in constant bloom the entire season; excellent for cutting.

for cutting.		
DOUBLE ANNUAL SORTS		771
China or Indian Pink. All colors mixed; oz., 50c\$		Pkt. \$0.05
Fireball. Fiery red		.10
Double Fringed. Large flowers; mixed	.20	.10
Japan Pink. Choice mixed	.20	.IO
White. Fringed flowers	.20	.05
SINGLE ANNUAL SORTS		
Japan Pink. All colorsoz., 6oc.	.20	.05
Nobilis (Royal Pinks). The large open single flow-		
ers measure three to four inches in diameter and		
are remarkable for the varied range of extremely		
bright colorings		OI.
Salmon Queen. Fringed; salmon pink	.20	OI.
Imported Collection. 12 varieties		.50
HARDY GARDEN PINKS		
Elegant summer flowering border plants, producing	; a v	vealth
4 - 9	ge Pkt	. Pkt.
Erfurt. Of dwarf, compact growth; blooms early;		
very fragrant; mixed colors	.65	.15
Clove Scented. Double and semi-double varieties,		
in beautiful colors; fragrant	40	.10
Pheasant's Eye. Single white fringed flowers with		
dark centreoz., 6oc.	.15	-
Double Scotch. Choice colors	.40	.15

MICHELLS FLOWER SEEDS



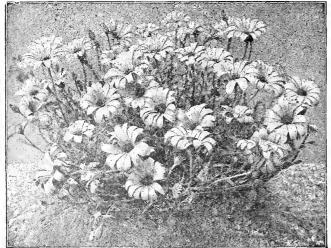


DOLICHOS (Hyacinth Bean)	Oz.	Pkt.
Rapid growing climber, bearing a profusion of bean-like flowers		1 12 00
Darkness. A variety from Japan; rapid grower; flowers redd	ish	
violet	\$0.25	\$0.10
Daylight. Identical to the above except in color, which is pure whi	te25	.10
Choice Mixed	15	.05
DD ACENIA	Large Pkt.	Pkt
Ornamental plants for vases or conservatory decoration.	Largo I III	1 - 0.
Australis. Broad green leaves	\$0.20	\$0.10
Indivisa. Narrow green leaves	oc15	.10
ECHINOCYSTIS (Wild Cucumber Vine)	•	
Lobata. One of the quickest growing vines; excellent for cover	ing	
trellises, fences, etc		.05
EDELWEISS (Gnaphalium)		.03
Leontopodium. The famous Alpine flower, suitable for rock wo		
etc.; 6 inches	40	.15

For DIGITALIS PLANTS See Page 158

Digitalis (Foxglove) Gloxiniaeflora

DIGITALIS (Foxglove)



Dimorphotheca-Aurantiaca Hybrida

DIMORPHOTHECA Large Pkt. Aurantiaca (African Orange Daisy). One of the showiest garden annuals; compact, bushy plants	. Pkt.
with orange-gold daisy-like blooms on long stems; excellent for cutting	\$ 0.10
of yellow, orange, rose, etc	.10
Aurantiaca Hybrida, fl. pl. Double and semi-double flowers in various colors	.20



Eschscholtzia (California Poppy)

ESCHSCHOLTZIA (California Poppy)

MICHELLS FLOWER SEEDS

EUPATORIUM

A fine hardy perennial, which will grow and thrive in almost any position; blooms the first season from seed if sown early; excellent for cutting; 2 feet. Large Pkt. Pkt. Fraseri. Feathery white flowers.....\$0.20 \$0.10

EUPHORBIA

Plants with ornamental foliage; very showy and easily raised from seed; height, 2 feet.

Heterophylla (Mexican Fire Plant). Large glossy Large Pkt. Pkt. green leaves, turning to orange scarlet in midseason\$0.20 \$0.10 Variegata (Snow on the Mountain).....oz., 4oc. .15

FERNS

Very desirable plants for ferneries. \$0.15 Adiantum (Maiden Hair). Mixed.....\$0.65 We can also furnish all other varieties of fern spores.

FEVERFEW (Matricaria)

Double White. Hardy annual; free flowering; for bedding or pot culture; showy double white flowers; 18 inches......oz., 40c. FORGET=ME=NOT See Myosotis .10

FOUR O'CLOCK See Marvel of Peru FOXGLOVE See Digitalis

FUCHSIA (Lady's Ear Drop) 100 Seeds

Double and Single Mixed. Of easy culture\$0.75



Gaillardia, Grandiflora

GAILLARDIA (Blanket Flower) ANNUAL VARIETIES

A splendid garden flower and excellent for cutting. The large highly colored, daisy-like flowers appear uninterruptedly the entire season on stout erect stems often 15 to 18 inches in length.

Picta Mixed. Single flowers in all colors.oz., 30c.\$0.15 \$0.05 Picta Lorenziana. Double mixed......oz., 50c. .15

PERENNIAL VARIETIES

One of the most brilliant of hardy perennials; blooming the first year from seed if sown early. Grandiflora Compacta. A compact variety; choice Large Pkt. Pkt.

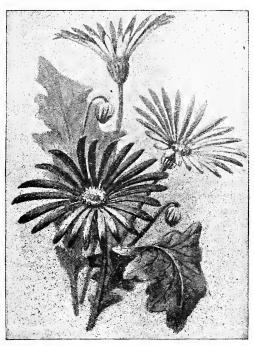
oz., 60c. .Io Grandiflora Sanguinea. Blood red flowers..... .25 .15

.IO OI. GENTIANA (Blue Gentian)

Acaulis. A dwarf hardy perennial; deep blue flow-Large Pkt. Pkt. ers; suited to moist, shady situations......\$0.25 \$0.10

GERANIUM

These are general favorites, easily grown from seed. 100 Seeds Pkt. Apple Scented. Highly esteemed on account of its fern-like, fragrant foliage; I foot......\$0.40 \$0.10 Pelargonium (Lady Washington). Seed saved from the largest flowered show varieties...... 1.25 Zonale Mixed. A superb strain of the largest Large pkt. and finest varieties; I to 2 feet.....\$0.30



Gerbera, Jamesoni

GERBERA (Transvaal Daisy)

Splendid greenhouse perennials with large fine-leaved, daisylike flowers; splendid for pot plants or cutting. Jamesoni Gigantea. Extra large flowers of brightest scarlet

Jamesoni Hybrida. These hybrids include a won-.....\$1.25 \$0.25 derful range of brilliant colors and shades 1.25

Atrosanguineum Fl. Pl. A beautiful hardy perennial, bearing large, showy, double, dark crimson flowers all through the summer; fine for bouquets; I1/2 feet..... .10

GLOXINIA

Showy, free-flowering plants for pot culture; producing magnificent flowers of the richest colors; I foot. Large Pkt. Pkt. Hybrida Grandiflora. The best strain in existence, embracing all the choicest self-colored and tigered and spotted flowers......\$0.75 \$0.25

GODETIA (Satin Flower)

Beautiful and easily grown hardy annuals, producing a profusion of flowers of satiny texture. Gloriosa. Large, blood-red flowers.....\$0.15 Choice Mixed. All colors...........15 .05

GOLDEN ROD (Solidago Canadensis)

A well-known hardy perennial; deep golden yel-

GOMPHRENA (Globe Amaranth)

Also called "Bachelor's Buttons"; a showy annual everlasting, with button-like flowers, fine for cutting.

Oz Large Pkt. Pkt.

Nana Compacta. Dwarf red; I foot......\$0.50 \$0.15 \$0.05



Ornamental Mixed Gourds

GYPSOPHILA (Baby's Breath)

Pretty, free-flowering plants of easy culture; excellent for cutting to mix with other flowers; 2 feet.

Elegans Alba Grandiflora. A hardy annual variety; delicate sprays of pure white flowers. Pkt., 5c.; 15c. per large pkt.; per oz., 25c.

Paniculata. Hardy perennial variety; flowers in graceful sprays of white; will bloom the first season if sown early. Pkt., 5c.; 15c. per large pkt.; per oz., 6oc.

Paniculata fl. pl. Perennial, with a profusion of double white flowers. Pkt., 25c.

> For Plants of ORNAMENTAL GRASSES

See Page 160



Gypsophila Paniculata

.05

GGURD (Ornamental)

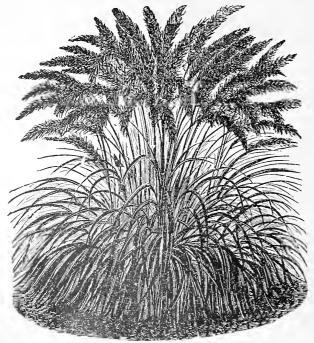
Rapid growing annual climbers for covering arbors, fences, etc., with ornamental foliage and curious shaped fruit.

		aigern	
Calabash, or Dipper. Very useful	\$0.30	\$0.15	\$0.05
Egg=Shaped. White like an egg		.15	.05
Hercules Club. Club shaped; 4 feet long	.30	.15	.05
Luffa (Dish Rag or Bonnet Gourd)	.30	.15	.05
Orange=Shaped (Mock Orange)	.30	.15	.05
Pear-Shaped. Striped; very showy	.30	.15	.05
Serpent. Striped like a serpent; 5 feet long	.30	.15	.05
Sugar Trough. Used as water holders	.30	.15	.05
Mixed. In a great variety	.25	.15	.05

GREVILLEA (Silk Oak)

Robusta. A beautiful and graceful decorative plant with fern-like foliage; excellent for table decoration; easily raised from seed....oz., \$1.00 \$0.25 \$0.10

Do not fail to read pages 65 to 70 for valuable Novelties and Specialties.



Pennisetum, Ruppelianum, (Ornamental Grass)

GRASSES, ORNAMENTAL

These are very interesting and useful, either for growing in clumps, mixed borders or in shrubberies. Also when dried they are fine for winter bouquets and decorations, for which

purpose they should be gathered before fully matured. ARUNDO (Great Reed) Large Pkt. Pkt. Donax. Perennial with drooping green and white striped leaves; excellent for lawn clumps; 9 ft..\$0.20 \$0.10 AVENA (Animated Oats) Sterilis. Long, sensitive awns which expand and contract, causing the seed to rattle in the pod; annual; 18 inches..... .05 BRIZA (Quaking Grass) Maxima Flegant panicles: excellent for hou-

quets and dried flowers; annual; I foot	.15	.05
BROMUS		
Brizaeformis. Large drooping panicles, useful for bouquets; 2 feet; annual	.15	.05

COIX LACHRYMAE (Job's Tears)								
		broad						
	large sh	ining, p	early se	eds;	annual;	2 to 3	feet.	
						0.7	TEC	

	EULALIA		
Japonica.	A hardy perennial variety, with long		
	leaves; green and white striped; 4 to		
5 feet		.15	.0.
	GYNERIUM (Pampas Grass)		
Argenteum	White cilvery plumes, perennial.		

blooms the second season; 8 to 10 feet	,I
HORDEUM JUBATUM (Squirrel Tail Grass)	
Bushy panicles; excellent for bouquets; annual;	
3 feet	.05

PENNISETUM		
Longistylum. Graceful greenish-white plumes,		
fine for beds or dried bouquets; 2 feet annual.	.15	.05
Ruppelianum (Purple Fountain Grass). Excellent		
for beds or for dried bouquets; purple plumes;		
3 feet; annual	.15	.IO
STIPA PENNATA (Frather Grass)		

	STIF	A PEN	NATA (Feather	er Grass)		
			silvery-white,			
plume	s; flowers	the sec	cond season; 2	feet	.15	.05

One packet each of the above II varieties of Ornamental Grasses for 60 Cents

MIGHTES FLOWER SEEDS



HELENIUM (Sneeze-Wort)

. Pkt.
\$0.10

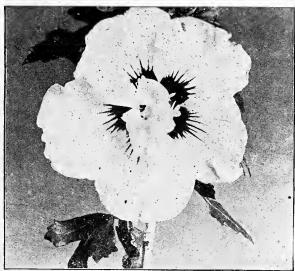
HELIANTHUS See Sunflower HELIOPSIS (Orange Sunflower)

HELICHRYSUM (Strawflower)

HELIOTROPE

A well known and highly prized plant on account of the delightful fragrance of the flowers; excellent for pots, or for bedding; 18 inches.

HEUCHERA (Alum Root)

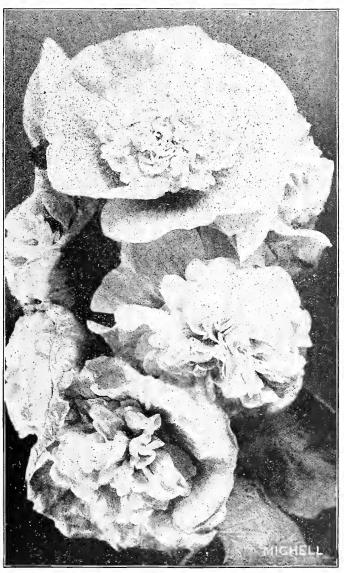


New Giant Hibiscus

HIBISCUS (Marshmallow)

Showy ornamental perennial plants, with large and beautifully colored flowers.

colored howers.		
New Giant (Mallow Marvel). Large flowers in red	-	kt. Pkt.
Crimson Eye. Large white flowers with crimson	60.30	\$0.15
Moscheutos. Large, rosy red flowers with dark	.20	.10
Golden Bowl. Giant yellow, maroon centre	ΤS	.05 .10



Chater's Double Hollyhock

HOLLYHOCK

One of the most popular and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet.

CHATER'S IMPROVED DOUBLE HOLLYHOCK

Oz. Large Pkt.	
Pink\$1.25 \$0.30 \$6	0.10
Maroon 1.25 .30	.IO
Red 1.25 30	.IO
Salmon	.IO
White 1.25 .30	.IO
Yellow 1.25 30	.IO
Choice Mixed 1.00 .25	.IO
Single Mixed	.IO
Collection, one packet each of above 6 colors	.50
Imported Collection. 12 colors	.75
Allegheny. Semi-double; mammoth flowers, edges	
fringed and laciniated; mixedoz., \$1.00 .25	.IO

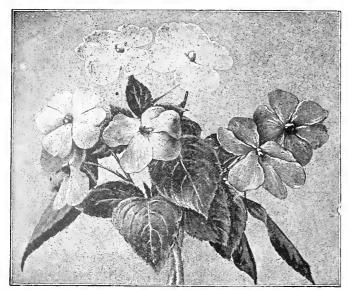
ANNUAL EVERBLOOMING HOLLYHOCK

While these are also hardy perennial varieties, if seed is sown in the house in March or April they will bloom the first season.

Double Ever-Blooming Mixed.	Colors range from		
white to deep black, yellow,	, pink, red, purple;		
	oz., \$1.25	.30	.15
Single Ever-Blooming Mixed	\$1.00	.25	.10



.25



Impatiens Sultanı

HONESTY (Moonwort, Satin Flower)

Large Pkt. Pkt Hardy biennial, admired for its silvery seed pods, which are used for ornamental purposes; 2 feet\$0.15 \$0.05

HORDEUM (ORNAMENTAL GRASS) (See page 88) HUMULUS (Japanese Hop)

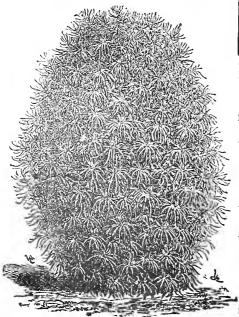
A rapid growing annual climber with luxuriant foliage. Oz. Large Pkt Pkt. Japonicus. Dense green foliage......\$0.40 \$0.15 \$0.05 Variegatus. Leaves mottled with white. .50 .15

HUNNEMANNIA (Giant Yellow Tulip Poppy)

Large Pkt. Pkt. Fumariaefolia. Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of July, continuing for the balance of the season; the foliage resembles Eschscholtzia; height, 2 ft.; oz., 60c. .15 .IO

HYACINTH BEAN (See Dolichos)

See pages 65 to 70 for NOVELTIES and

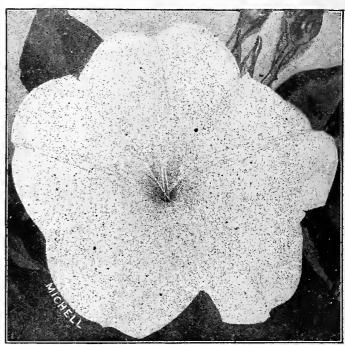


Kochia Trichophylla

IMPATIENS (Sultan's Balsam)

A charming plant for house and conservatory decoration. Large Pkt. Pkt. Holstii. A new variety from Africa, resembling Impatiens Sultani in leaf and shape of bloom, but surpassing it in quicker growth and its larger and brighter colored flowers.......\$0.50

Holstii, "New Hybrids." The colors offered in these New Hybrids are beautiful and of many \$0.20 shades
Sultani. Brilliant rosy-scarlet.
Sultani Hybrida. Colors ranging from pale pink .15 .15 to dark crimson15 INCARVILLEA (Hardy Gloxinia) Delavayi. Deeply cut hairy foliage with stout stalks terminated with 3 to 5 most beautiful pink, gloxinia-like flowers; perennial; May; 15



Ipomoea (Moon Flower)

SPECIALTIES IPOMOEA LORGI	701 (701.4
Grandiflora Superba. Flowers sky-blue with a white marginoz., 25c.\$	e PKt.	Pkt.
Heavenly Blue. Large, sky-blue flowers		.10
oz., 75c. Setosa (Brazilian Morning Glory). Large leaves and bright rose-colored	.20	.10
flowersoz., 40c.	.15	.05
Mixed. Various colors	.15	.05
IRIS (Flowering Flag)		
Kaempferi (Japanese Iris). Hardy perennial; very showy; blooms the second year from seed; mixed colors	.15	.10
KENILWORTH IVY (Linaria Cymbalaria)	5	
A charming, neat trailing plant, for baskets, vases pots, etc.; flowers violet	.30	.05
KOCHIA (Summer Cypress or Mexican Fire Bush)		
Trichophylla. An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color; 2 to 3 feet	.15	.10
LANTANA	ŭ	

Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble Verbenas; plants grow erect and Choice Tall Mixed. 2 to 3 feet high......oz., 4oc. .15

MICHELLS FLOWER SEEDS



LARKSPUR (Annual)

Splendid annuals of easy culture; seed sown early in spring will produce blooming plants by July; graceful fern-like foliage and slender spikes with double rosette flowers; fine for cutting or garden decoration.

GIANT HYACINTH FLOWERED

Tall spikes with double flowers resembling Hyacinths.

Tall spikes with double howers resembling in	ιyαc.	milio.	
Queen of Pinks. It is the color which			
gives this variety a foremost place in any			
garden; spikes fully 2 feet tall and well	Oz.	Large Pk	t. Pkt.
branched; color, delicate salmon pink\$	0.75	\$0.20	\$0.10
Shell Pink	.75	.15	.05
White	.75	.15	.05
Dark Blue	.75	.15	.05
Mixed Colors	.50	.15	.05

TALL DOUBLE STOCK FLOWERED

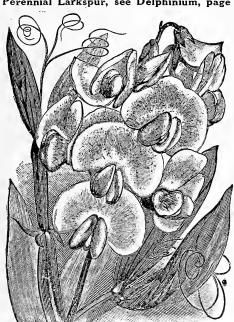
Plants branch freely and th	ne flowers resemble double stock;
height, 21/2 feet.	Oz. Large Pkt. Pkt.
	Oz. Large Pkt. Pkt
Sky Blue	
White	
All Colors Mixed	50 .15 .05

DWARF DOUBLE ROCKET

Mixed. A compact bushy plant with several dwarf spikes of double flowers; height, I foot .25 .15 .05

Ask for Cultural Leaflet No. 216 on the growing of Larkspur.

For Perennial Larkspur, see Delphinium, page 85



Lathyrus (Everlasting Pea)

LAYTHYRUS LATIFOLIUS (Everlasting or Perennial Pea)

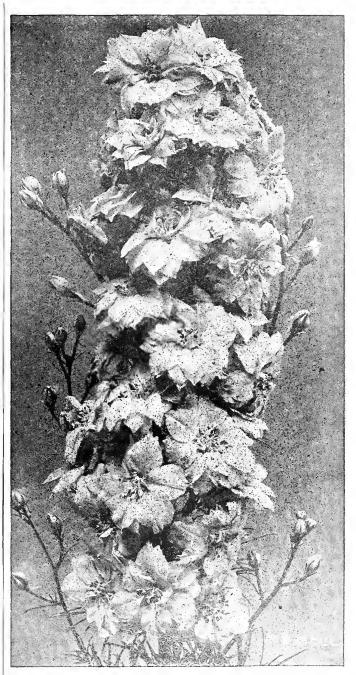
Free flowering, resembling Sweet Peas in gre	owth,	foliag	e and
flowers; excellent for cutting.	Oz.	Large Pk	t. Pkt.
Crimson. Brilliant	0.50	\$0.15	\$0.10
Pink Beauty. Bright rosy-pink	-75	.20	.IO
White	.50	.15	
Choice Mixed. All colors	.50	.15	.05

LAVATERA

Large Pkt.

Splendens Rosea. A compact shrubby-like annual	
plant with glossy foliage and bright pink mallow-	
like flowers; splendid for cutting and decorative	
work; easily raised from seed\$0.20	\$0.10

LAVENDER (Lavendula Vera)



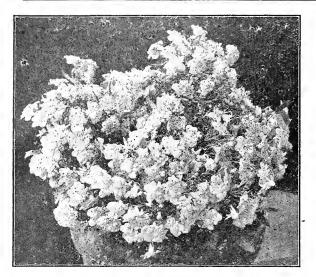
Double Stock Flowered Larkspur

LEPTOSYNE Large Pkt. Pk	le t
Maritima. Free flowering annual, blooming in six weeks after sowing; large, single yellow flowers; excellent for cutting\$0.40 \$0.	
LINARIA—See Kenilworth Ivy	
IIIV OF THE VALLEY (Convallaria Maialis)	

LINUM (Scarlet Flax)

.IO

Grandiflorum Rubrum.	Ideal for	bedding;	dwarf		
and compact, with lig	ght green fe	oliage and	bright		
scarlet flowers; annua	l; i foot		z., 25c.	.15	.05

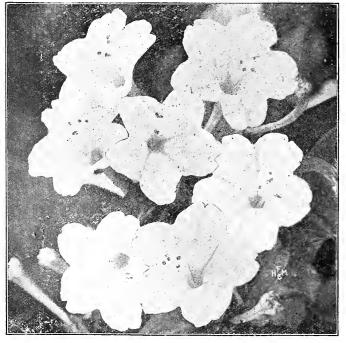


Lobelia, Crystal Palace Compacta

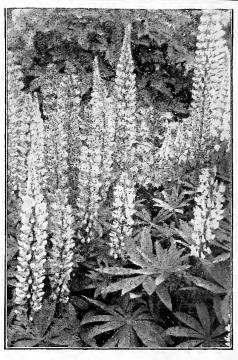
LOBELIA

No garden is complete without an edging of blue Lobelia, and for a long season of bloom there is nothing that can take its place; also desirable for pots, hanging baskets, etc.

L	arge Pkt.	Pkt.
Crystal Palace Compacta. Very compact, d	eep	
blue, the best for edging	\$0.40	\$0.10
Barnard's Perpetual. Deep blue with white ey		
trailing	30	.10
Crystal Palace Speciosa. Of trailing habit, de		
blue, fine for vases	20	.05
Sapphire. A beautiful trailing variety; deep b	lue	
with white eye	50	.20
Emperor William. Flowers sky blue, plants ve	ery	
compact	30	.10
Gracilis. Of trailing habit, light blue	20	.05
White Gem. Very compact, snow-white flowers		.10
Mixed. All Colors	20	.05
Cardinalis (Cardinal Flower). Hardy perennial; ta	.11	_
spikes of bright scarlet flowers, very showy	50	.Io



Marvel of Peru (Four O'Clocks)



Lupinus Polyphyllus (Perennial Lupin)

LUPINUS (Lupin) ANNUAL VARIETIES

WIGHT AWKITTITE			
Free flowering, easily grown plants with le	ong sp	ikes of	pea-
shaped flowers; excellent for cutting; will b	loom	in six	weeks
after sowing; 2 feet.	Oz. I	arge pkt	. Pkt.
Pink Beauty. Delicate salmon pink	.\$ o .60	\$0.15	\$0.10
Blue	40	.15	.05
Pink	40	.15	.05
Scarlet, White Tipped	40	.15	.05
White	40	.15	.05
Yellow		.15	, .IO
Mixed, All Colors	30	.15	.05
PERENNIAL VARIETIE	S		

Graceful spikes with pea-shaped flowers; excellent for cutting; May and June; 2 to 3 feet. Large pkt. Pkt. Polyphyllus Roseus. Pink \$0.30 \$0.10 " Somerset (New). Yellow 40 .15 " Blue .15 .05 .05 .05 .05

Ask for Cultural Leaflet No. 217 on the culture of Lupinus. LOPHOSPERMUM

Scandens. An	ornamental	annual climber,	with
showy rosy-pu	irple flowers,	resembling Fox-g	loves
in shape; 10	feet		\$0.40 \$0.10

LYCHNIS

One of the finest hardy perennials; of easy culture; excellent for massing in large beds or borders. Large pkt. Pkt.

Haageana. Brilliant, large, orange, scarlet, pink, and crimson flowers, mixed; I foot; July....... .IO

LYTHRUM

Roseum Superbum (Rose Loose Strife). A pretty hardy perennial; plants grow 3 feet high and produce spikes of rosy flowers from July to September .15

MARIGOLD (See next page) MARVEL OF PERU (Four O'Clock)

.Io

Choice Mixed. Bushy plants of easy culture, producing hundreds of flowers during the entire summer; Oz. very showy in the garden; 2 feet\$0.20

MICHES FLOWER SEEDS









Marigold—El Dorado

MARIGOLD (Tagetes)

Popular free-blooming garden plants of easiest possible culture.

AFRICAN VARIETIES

These are mostly of tall growth, from 21/2 to 3 feet high.	
El Dorado. Imbricated flowers of immense size, in LargePkt.	Pkt.
all shades of yellowoz., 50c. \$0.15	\$0.05
Orange Prince. Flowers very large, of a deep	
orange color	.Io
Lemon Queen. Soft lemon yellowoz. 75c20	.Io
Pride of the Garden. Dwarf, 18 inches, golden	
yellow	.10
Large African. Tall double mixedoz. 40c. 15	.05
Imported Collection, 6 Varieties	.25
FRENCH VARIETIES	
Double Pulchra. Rich golden yellow with deep .	
velvety brown centre; I foot	0.05
Dwarf Gold Striped. Double, brownish red striped	,
golden yellow; I foot	.Io
Legion of Honor (Little Brownic). Single flowers:	
golden yellow with a large spot of crimson velvet;	
6 inches	.05
Liliput. Dwarf; excellent for pots; small double	
flowers; mixed colors; 4 inches	.IO
Dwarf French Mixed. All colors	.05
Imported Collection, 6 Varieties	.25
MARVEL OF PERU—(See page 92)	

.05

IABLE OF THE STATE OF THE	
Bicornis (Evening Scented Stock). A desirable an-	
nual, on account of its delightful fragrance during	
the evening; color, purplish lilac	.15

MICHELLS FLOWER SEEDS 518

.IO

518 PHILA.

MIMULUS

Showy profuse flowering plants; fine for greenhouse or moist shady situations; half-hardy perennials, blooming the first year if sown early.

Large Pkt. Pkt.

Moschatus (Musk Plant). Fine for hanging baskets;

yellow flowers, fragrant foliage; 6 inches.......\$0.40 \$0.05

MINA

MOONFLOWER—See Ipomoea
MORNING GLORY—See Convolvulus

MUSA ENSETE (Abyssinian Banana)

A handsome tropical plant for planting individually or for the centre of beds; foliage broad and massive and very effective; 10 to 15 feet. Seeds should be started in hotbed or bottom heat in greenhouse. Per 10 seeds, 25c.; 50c. per 25 seeds.



Myosotis-Alpestris Victoria

WYOSOTIS (Forget-Me-Not)

Beautiful, half hardy perennials, blooming the first year from seed; succeeding best in moist, shady situations. Sown in the spring they will flower in the fall; if wanted for early spring flowering, seed should be sown in frames in July or August.

nowering, seed should be sown in frames in July of 12	.ugus	L.
Larg	ge Pkt	. Pkt.
Alpestris Victoria. Of bushy habit; bearing large		
bright blue flowers; very fine; 6 inches\$6	0.30	\$0.10
Dissitiflora. Deep green foliage and attractive deep	Ü	
blue flowers	.40	.IO
Eliza Fanrobert. Of strong growth, with clusters of		
large, bright blue flowers; 10 inches	.25	.IO
Grandiflora Alba. Large white flowers; 8 inches	.25	.IO
Grandislora Rosea. Large pink flowers; 8 inches	.25	.IO
Palustris. The true Forget-Me-Not; bright blue		
flowers; 8 inches	.40	.IO
Palustris Semperflorens. Dwarf; blooms the en-		
tire season; deep blue	.30	.IO
Royal Blue. This variety belongs to the upright	Ü	
pillar-shaped section; large deep blue flowers; 12		
inches	.40	.IO
Ruth Fischer. Plant of neat, compact habit; flowers		
extra large and of a lovely sky blue	.65	.25
Choice Mixed	.20	.05

NASTURTIUM—See pages 103 and 104

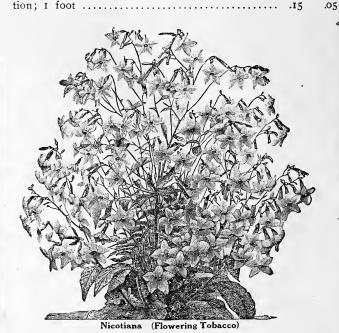
NEMESIA

Large Pkt. Pkt

Strumosa Suttoni. A splendid annual, with large flowers varying in color from creamy white to deep orange and carmine; fine for bedding; 18 inches..\$0.40 \$0.15

NEMOPHILA (Love Grove)

Mixed. Free-flowering annual, of dwarf, compact habit, with a profusion of cup-shaped, bright colored flowers; thrives best in a cool, shady situation: I foot



NICOTIANA (Flowering Tobacco)

INICOTIATIVA (Flowering robacco)		
Extremely showy annual plants, giving a continuous of brilliant flowers through the summer and autumn; of branching habit; 2 to 3 feet high.	plants	are
Lar	ge Pkt.	Pkt.
Affinis. Fragrant, tube-shaped, pure white flowers\$	0.15	0.05
Affinis Hybrida. Large, sweet scented flowers; colors range through creamy white and rose tints to		
bright red and crimson in mixture	.20	.IO
Sanderae. An excellent variety, growing about 2 feet high; flowers of the most handsome carmine-red color; very fragrant	.20	.Io
Sylvestris. A very ornamental variety with deep		
green leaves, and large, pure white fragrant drooping flowers; 4 feet	.15	.10
NIEREMBERGIA	•	
Frutescens. Half hardy perennial; excellent for greenhouse, baskets, vases, or bedding out; flowers white tinted with lilac; I foot	.20	.10
NIGELLA (Love in a Mist)		
Damascena. Showy hardy annual of compact growth, with finely cut foliage and curious flowers, blue and white mixed; I foot	.15	.05
Miss Jekyll. A lovely variety, with long stems, and		
bearing a profusion of beautiful flowers of a clear corn-flower blue; excellent for cutting; 18 inches	.15	.Io

OENOTHERA (Evening Primrose)

.05

THE REPORT OF THE PROPERTY OF							O NOT Write HERE					
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		Gardener	or Supts. Name	for purpose of No	outying that Ships	nent has been ma	ade	А	MT. FWD.			

PLEASE DO NOT ASK QUESTIONS ON THIS ORDER SHEET, BUT WRITE THEM, AND ALL COMMUNICATIONS REQUIRING AN ANSWER, ON A SEPARATE SHEET AND ENCLOSE WITH ORDER, TO INSURE A MORE SPEEDY REPLY

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ea la	Br.					

MICHELL'S GIANT PANSIES



Michell's Giant Exhibition Pansy

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which pansies can be planted. If started in the house from February till April pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the fall; sown in frames during July and August and transplanted later gives us the main crop of flowers the following spring.

PANSIES IN MIXTURES

ANDED IN MIXICALS	
Large pk	t. Pkt.
Michell's Giant Exhibition. A blending of our	
own containing only the very choicest the specialists	
in Europe have to offer; it can be relied upon to	
produce flowers of immense size, very heavy	
texture and of the most brilliant colors. Per oz.,	
\$6.00; ½ oz., \$1.00\$0.65	\$0.25
Triumph of the Giant. Immense flowers of great	
brilliancy and richness of coloring, including	
many new and rare shades. Per oz., \$8.00; \$2.25	
per ½ oz	.50
Bugnot, Odier and Cassier. A superb mixture of	.50
giant blotched varieties	.25
Giant Trimardeau. Very large flowering; all colors	3
mixed	.10
Mad. Perret. Early flowering, fragrant, especially	.10
rich in red shades	.25
Masterpiece (Frilled Pansy). Flowers beautifully	v
curled or waved	.25
Odier or Blotched. Beautiful strain 1/4 oz. \$1.25 .65	
Parisian Large Stained. Choicest colors. 1/4 oz.	· ·
\$0.75	.15
Finest English Mixedoz. \$1.50 .30	.Io
Very Fine Mixed	.05
Imported Collection. 6 colors	.40
Imported Collection. 12 colors	.75
Ask for Cultural Leaflet No. 209 on the growing of Pansi	es.

MICHELL'S GIANT PANSIES SEPARATE COLORS

A strain secured from the leading Pansy specialists, and not to be compared with the ordinary Giant Trimardeau, as the flowers are of much heavier texture.

		¼ Oz.	Large pkt. Pl	ĸŧ
Giant	Prize	Azure Blue. Violet blue\$1.00	\$0.50 \$0.1	5
"	"	Black Blue. Dark velvety 1.00	.50 .I	
66	66	Emperor William. Ultra-marine	· ·	
		blue 1.00	.50 .1	5
- 44	"	Hortensia Red. Scarlet 1.25		5
"	"	King of the Blacks. Black 1.00		-
66	"	Lord Beaconsfield. Violet 1.00		5
46	"	Peacock. Upper petals blue, lower petals deep		9
		claret; white margin 1.25	.50 .1	15
"	"	Snow Queen. Pure white 1.00		5
64	"	Striped and Mottled 1.00		15
66	"	White with dark eye 1.00		5
"	"	Pure Yellow 1.00		15
"	"	Yellow with dark eye 1.00		5

SPECIAL OFFER. We will send 6 packets of any of the above varieties of Giant Pansies for 75c.; or the entire 12 pkts. for \$1.40.

PANSIES—Regular Sorts in Separate Colors

Oz. I	arge pkt	Pkt.
Belgian Striped. Showy\$1.50	\$0.30	\$0.10
Emperor William. Ultramarine blue 1.50	.30	.IO
Faust (King of the Blacks). Almost black 1.50	.30	.Io
Gold Margined. Purple, golden edge 1.75	.30	.IO
Havana Brown I.75	.30	.IO
Lord Beaconsfield. Violet 1.50	.30	.IO
Mahogany Colored 1.75	.30	.IO
Silver Edged. Purple, silver edge 1.50	.30	.IO
Snow Queen. Pure white 1.50	.30	.IO
White with dark eye 1.75	.30	.10
Yellow Gem. Pure yellow 1.75	.30	.10
Yellow with dark eye 1.75	.30	.IO

SPECIAL OFFER: We will send 6 packets of any of the above varieties of regular sorts of Pansies for 50c.; or the entire 12 packets for 90c.

PAEONY

l	Mixed.	Hardy	herbaceous	plants	with	flowers	of	PKt.
I	variou	s color	s; will blo	om the	third	year f	rom	
١	seed;	double	and semi-c	louble			\$0.30	\$0.10

PARIS DAISY. See Chrysanthemum

PASSIFLORA (Passion Flower)

	Ornamental climbing plants for the green		
house	or the garden, producing showy flowers in		
profus	sion	25	.IO

PENNISETUM, ORNAMENTAL GRASS. (See page 88.)

PAPAVER. See Poppy.

PENTSTEMON (Beard Tongue)

A beautiful perennial plant producing large spikes of handsome flowers,

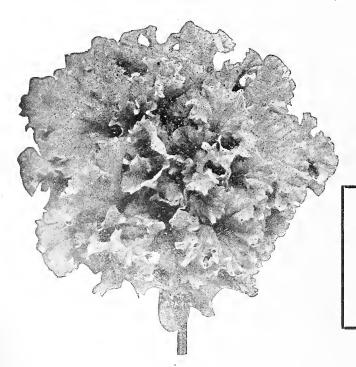
Some nowers.	ge pkt	. Pkt
Barbatus Torreyi. Spikes of brilliant coral red,	So P	
very effective; June to August; 3 to 4 feet	0.20	\$0.10
Digitalis. Spikes of white flowers, with purple		
throat; July and August	.15	.IO
Sensation. Plants producing large spikes of gloxinia-		
like flowers of the most brilliant and varied colors;		
will bloom the first season if sown early; 2 feet;		
requires protection	.40	.15
Mixed. Producing large spikes of handsome flow-		
ers; 3 feet	.15	.05

MICHELL'S PETUNIAS

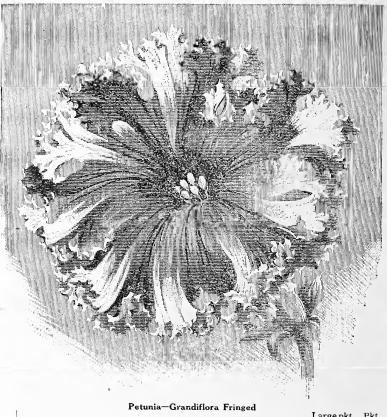
There is no more deserving flower than the Petunia. Quick to bloom in the early summer, it gives us a bright display long after the first frost has wrought its damage; seeds must be carefully handled as they are extremely fine but the plants are of easiest culture. We call especial attention to our Large Flowering strains, which for size and brilliancy of coloring, cannot be surpassed.

SINGLE FLOWERED PETUNIAS

Larg		51-4
California Giants. One of the largest va-	зеркі.	PKt.
rieties; bright and desirable colors; strong		
robust plants	- 6 -	Фо о т
robust plants\$	0.05	\$0.25
Grandiflora Fringed. Each petal of these		
giant flowers is delicately fringed and		
thus gives the flower a distinct appear-		
ance; all colors	.65	.20
Ruffled Giants. Immense large flowers, ex-		
quisitely ruffled and frilled	.65	.25
	.05	.23
Monstrosus (Michell). Extra large flowers,		
many of which are elegantly fringed;		
	·75	.25
Dwarf Large Flowering Fringed. Compact		
plants with large fringed flowers of many		
colors and shades		.30
Adonis. Rosy carmine with white throat	.40	.10
Dwarf Inimitable. Of dwarf, compact		•
habit; profuse bloomer; flowers striped.	40	.IO
Enchantress. A new dwarf variety, al-	.40	.10
most covered with flowers from early		
summer until killed by frost; the flowers		
are of many shades and colors	.40	.IO
Ideal (New). A dwarf, large flowered		
strain, with flowers of varied and ex-		
quisite coloring		.30
Rosy Morn. (see illustration). Dwarf,		_
bushy plants bearing in great profusion		
brilliant rose-colored flowers with a white		
throat; excellent for pot culture	40	7.5
unoat, execuent for pot culture	.40	.15

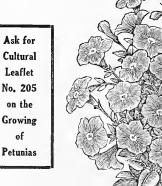


Double Fringed Petunia



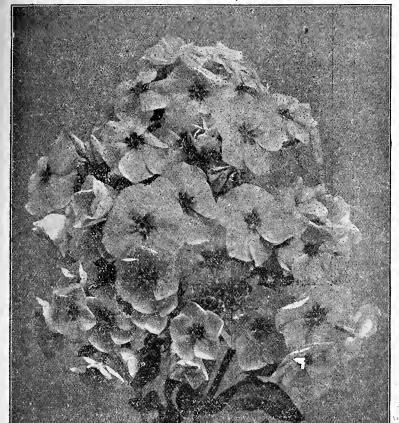
DOUBLE FLOWERING PETUNIAS

As the seed of the double varieties is obtained by hybridization, it will not produce all double flowers, but the singles will be unusually fine. The weaker seedlings should receive great care, as they produce the finest double flowers. Large pkt. Pkt. Double Fringed White. Extra large, pure white, fringed flowers\$0.75 \$0.25



Petunia-Rosy Morn

MIGHELES FLOWER SEEDS



Phlox Drummondii, Grandiflora

PHLOX DRUMMONDII

One of our finest hardy annuals, and one of the easiest to grow, and for bedding or massing nothing can surpass them for their brilliancy and richness of color and profusion of bloom, which continues until frost.

GRANDIFLORA VARIETIES

An improved strain, with immense trusses of large, brilliant flowers: 12 to 15 inches.

mant nowers, 12 to 15 menes.	
· Large pkt.	Pkt.
Alba. Pure white\$0.30	\$0.10
Coccinea. Brilliant scarlet	.Io
Pink	.Io
Stellata Splendens. Scarlet with white eye30	.IO
Choice Mixed. All colors	.Io
Imported Collection. 12 varieties	-75

DWARF VARIETIES

These grow to the height of 6 to 8 inches, and produce dense masses of bloom all summer. Excellent for bedding or edging

or edging.		
and the second	Large pkt.	Pkt.
Cecily, Mixed. Large flowering, dwarf con		
variety, of many beautiful colors and shad		
Crimson with White Eye		.IO
Deep Scarlet	30	.IO
Fair Maid. Soft pink		.Io
Fireball. Brilliant scarlet		.IO
Pink	30	.IO
Snowball. Pure white	30	.IO
Violet with White Eye	30	.Io
Choice Mixed	50c30	.10

Ask for Cultural Leaflet No. 218 on the growing of Phlox Drummondii.

VARIOUS PHLOXES

Large pkt	Pkt.
Fine Mixed. Free flowering; all colors.	
oz., 75c. \$0.20	\$0.05
Double Mixed. Flowers with several .	ŧ.,
rows of petals; fine for cutting	.10
Star of Quedlinburg. Beautiful star-	
shaped flowers of various colors, with	
long pointed petals	.10
HARDY PHLOX	1
	1
Decussata. For a gorgeous show these	
are the most satisfactory of all peren-	
nials; plants 2 feet high; flowers in all	
bright colors; seed should be sown	
early in spring or as soon as gathered	
in the autumn; mixed colors. 1/4 oz., 50c30	.io

FOR HARDY PHLOX PLANTS

See pages 168 and 169.

PERILLA	,
Large pkt. Nankinensis. Ornamental annual plants	Pkt
with dark purple foliage; 2 feet15	.0
PHYSOSTEGIA (False Dragon Head)	}

A pretty hardy perennial, bearing freely, delicate tubular flowers; 3 to 4 feet; July-August.

Large pkt. Pkt. Virginica. Pink\$0.20 \$0.10

PINKS See Carnations and Dianthus

PLATYCODON

(Chinese Bell Flower)

Grandiflorum, Blue. A hardy perennial bearing a pro-fusion of large bell-shaped flowers the whole season; 2 to 3 feet. Pkt., 5c.; 25c. per large pkt.

Grandiflorum White. Pkt., 5c.; 25c. per large pkt.

Japonicus Fl. Pl. (Double Japanese Bell Flower). Large, glossy, deep blue flowers. Pkt., 15c.; 4oc. per large

POLYANTHUS

(Primula Elatior)

Beautiful spring flowering hardy perennials, either for pot culture or for garden; succeeds best in partial shade; 9 inches.

Gold Laced. Flowers of brilliant colors, with distinct yellow edge. Pkt., 15c.; 50c. per large pkt.

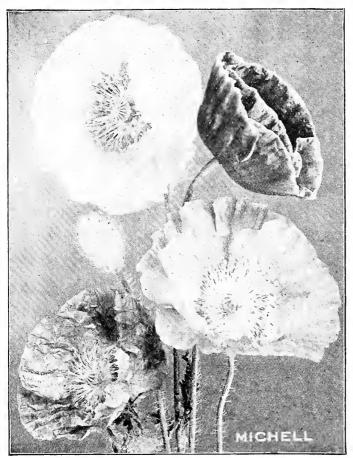
Double Mixed. Beautiful colors. Pkt., 15c.; 65c. per large pkt.

English Mixed. The best single. Pkt., 10c.; 30c. per large pkt.



Physostegia

MICHELL'S POPPIES

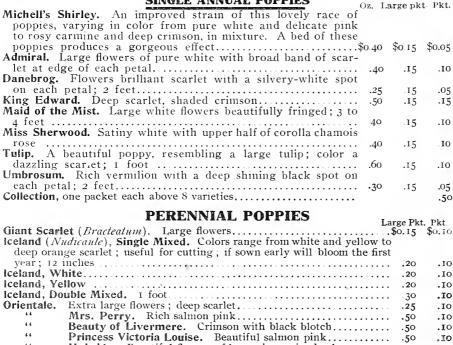


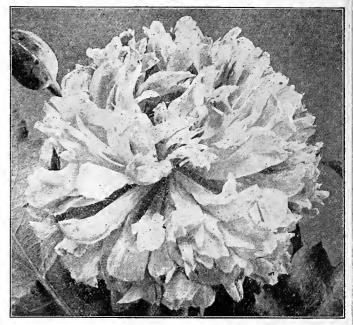
Shirley Poppies

POPPY, ANNUAL VARIETIES

One of our favorite and most popular flowers, producing, during the blooming period, a profusion of brilliant colors and shades. Seeds should be sown where they are to remain, as they do not stand transplanting.

SINGLE ANNUAL POPPIES

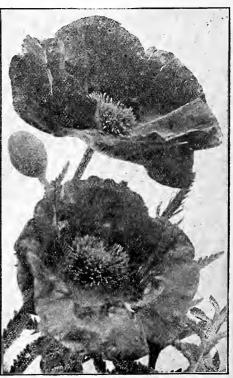




Double Poppy

DOUBLE ANNUAL POPPIES Oz. Large pkt. Pkt.

	O	~~ 0 v r -	
Carnation Flowered. Double fringed, mixed.\$	0.20		\$0.05
Crimson King. Flowers perfectly round	.25	\$0.15	.05
Fairy Blush. Flowers white, elegantly			
fringed and tipped with rose; 2 feet	.25	.15	.05
Mikado (Striped Japanese) Double fringed			
flowers, white striped with crimson; 18 in.	.25	.15	.05
Paeony Flowered White	.30	.15	.05
Paeony Flowered Yellow. Very fine	.30	.15	.05
Paeony Flowered Scarlet	.30	.15	.05
Paeony Flowered Mixed. Immense double			
flowers resembling a Paeony; 2 feet	.20		.05
Double Shirley. Double large flowers, mixed	.25	.15	.05
Imported Collection. Double Paeony flow-			
ered; 6 varieties			.25



Oriental Poppy





Single Portulaca

PORTULACA

Dwarf-growing plants of easy culture; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors. rightest Large pkt. Pkt. .50

PRIMULA FRINGED CHINESE PRIMROSE

These are among our finest winter and spring blooming pot plants. Our strains have won many first prizes.

Michell's Prize Mixture. This mixture contains only Large pkt.

Pkt. the finest sorts selected from the best strains. \$0.75 \$0.25 .40 .40 .49 .40 .40 .40 .75 .25 Imported Collection. 8 varieties.....

PRIMULA OBCONICA GIGANTEA

PRIMULA—(Continued)

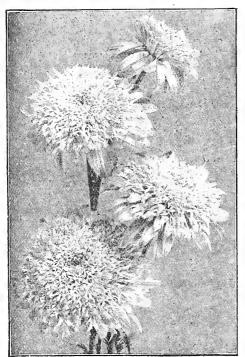
PRIMULA OBCONICA GRANDIFLORA

Compacta. Dwarf, compact plants with dense heads of large rosy lilac flowers	arge pkt 0.65 .65 .65	\$0.25 .15
PRIMULA VARIOUS SORTS		
Primula Kewensis (Verbena Scented Yellow Primrose). Spikes each 12 to 18 inches long; color, soft yellow. Buttercup. Yellow flowers; fine for pots	.65 .65 .65	.25 .25 .15
HARDY PRIMROSES		
Cortusoides Sieboldii. Hardy perennial variety; should have slight protection during the winter; also fine for pots; mixed colors	.65	.15
Veris (English Cowslip). Hardy perennial; frag-	.~3	·
rant; mixed	.30	.10
English variety; canary yellow	.40	.IO

Ask for Cultural Leaflet No. 206 on the growing of



Michell's Prize Chinese Primula



Pyrethrum-Double

PYRETHRUM

FOLIAGE SORTS FOR BEDDING

Foliage plants used for edging of ornamental beds; leaves are finely cut and of a golden yellow color. Large Pkt. Pkt. Aureum (Golden Feather). Bright

golden yellow foliage; 8 inches

Selaginoides. Golden yellow,

FLOWERING SORTS

Handsome hardy perennial plants for the herbaceous border; flowers showy and excellent for cutting.

Large pkt. Pkt.

Roseum. Flowers bright rose color; July; 2 ft.\$0.30 \$0.10

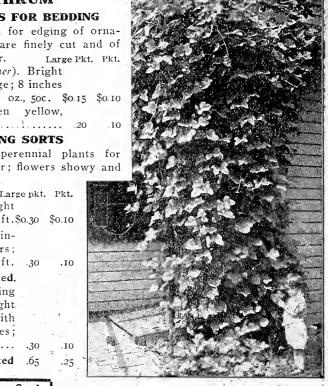
Uliginosum. Large, single white flowers;

September; 3 to 4 ft, .30

Hybridum Single Mixed. Large flowers ranging

in color from light pink to deep red, with bright yellow centres;

Hybridum Double Mixed .65



Pueraria Thunbergiana

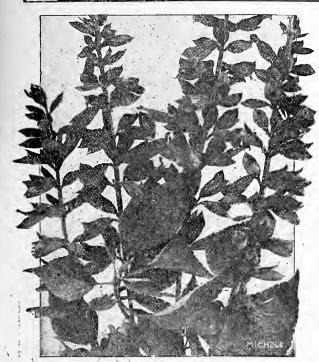
See pages 65 to 70 for valuable Novelties and Specialties in Flower Seeds

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PUERARIA THUNBERGIANA (Kudzu Vin	e)
One of the fastest growing hardy climbing plants; grows 8 to 10 feet the first year from seed; after the first year it will grow 30 to 50 feet in a season; rosy	
purple pea-shaped blossoms \$0.20	\$0.10
RHODANTHE (Everlasting Flower) A beautiful annual, for the garden or for pot culture;	•
I foot.	
Double Pink. Fine for cutting	.1o
Mixed	.05
RICINUS (Castor Oil Bean)	
These ornamental plants are used with great effect on law	ns. as
centrepieces in flowering beds such as cannas, etc.	
Michell's Giant. A new hybrid of gigantic di-	
mensions; the stem and stalks are covered with a Oz. blue bloom; leaves dark brown	Pkt.
Borboniensis. Beautiful green foliage; 15 feet 20	\$0.10 .05
Cambodgensis. Large leaves, dark bronzy-maroon;	.03
stalk and stems nearly black; 5 feet	.05
Gibsoni. Deep red foliage; 5 feet	.05
Sanguineus. Blood-red stalks and clusters of red fruit; 8 feet	
Zanzibariensis. Enormous leaves varying in color	.05
from light green to purplish red; 12 feet	.05
Mixed. All sorts	.05
RUDBECKIA (Coneflower)	
Tall growing plants, flowering profusely all summer.	
Bicolor Superba. Yellow flowers with brown disc in	Pkt.
centre; annual; 2 feet\$0.15	\$0.10
Newmani. Large vellow flowers with black centre:	"
perennial; 3 feet; all summer	.10
nial; showy reddish purple flowers, with dark brown	
disc; 3 feet	.10
SAINTPAULIA (African Violet)	.10
lonantha. Beautiful greenhouse plants, bearing a	,
profusion of flowers resembling the violet	.25

MIGHES FLOWER SEEDS





Salvia, Michell's Scarlet Glow

SALVIA (Scarlet Sage)

This popular bedding plant is impossible to be replaced. There is nothing more effective in the mid-summer or fall than these bright scarlet flowers. Seeds should be started either in the house or in hotbeds from February till April. Large Pkt. Pkt. Michell's Scarlet Glow. A new variety of great merit, and an improvement on the Zurich; dwarf

and compact; produces early in the season a mass of bright scarlet flowers...........\$0.65 \$0.15

Bonfire (Clara Bedman). Compact bushy plants 2 feet high, producing innumerable erect spikes of the most brilliant scarlet flowers.... 1/4 oz., 75c. .IO Ball of Fire. A dwarf early flowering variety with long spikes of brilliant scarlet flowers; excellent .15 vias; plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from .15 the spikes of flowers resemble a plume, and are

Splendens. Tall growing plants with bright scar-		
let flowers; height, 3 feet	.30	.Io
King of Carpets. Exceedingly dwarf growing	_	
plants with small foliage and an abundance of		
flowers; color, bright scarlet; very showy and		
distinct	.40	.15
Patens. Bright blue flowers of large size; height,		
2 feet	.40	.15
Azurea Grandiflora. A hardy perennial variety	•	
producing during August and September spikes of		

.25

.IO

of the brightest scarlet

as an annual, blooming from July to frost from spring sown seed; color, light blue; 2 feet...... .30 . .10 Ask for Cultural Leaflet No. 210 on the growing of Salvia.

SANVITALIA

Procumbens Fl. Pl. Dwarf annual with bright		
yellow, double flowers; useful for edgings, or vases,		
baskets, etc.; 6 inches	.20	.10

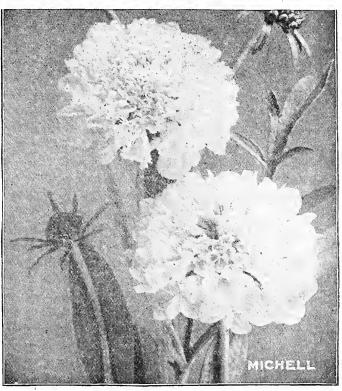
SALPIGLOSSIS (Painted Tongue)

Easy growing annual plants with large funnel-shaped flowers, beautifully tinted and veined in rich shades; blooms from early summer until late fall; 18 inches.

GRANDIFLORA L	arge pk	t. Pkt.
Black, Yellow Veined	.\$0.30	\$0.10
Carmine	30	.10
Crimson	30	.IO
Pink		.Io
Choice Mixed. All colors	25	.05
Imported Collection. 6 large flowering varieties		.30

EMPEROR

A new type having only one main stem, and bearing on its summit a large number of beautiful flowers, each one richly veined with gold, and of immense size. Large pkt. Pkt. Choice Mixed\$0.40 \$0.10



Scabiosa, Grandiflora

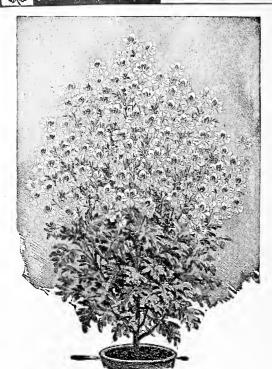
SCABIOSA (Mourning Bride)

Free-flowering annuals of easy culture; splendid for cutting or garden effect; should be in every collection.

GRANDIFLORA VARIETIES

Flowers large and very showy, on stalks fully 2 fee	et hig	gh.		
Large pkt. Pkt.				
Azure Fairy. Light heavenly blue\$	0.20	\$0.10		
Cherry Red	.20	.05		
Flesh Pink	.20	.05		
Time of Bracket Deep market, and and	.20	.05		
Pompadour. Deep purple, edged with white	.20	.05		
Sulphur Yellow	.20	.05		
Pure White	.20	.05		
Collection, one packet each 6 colors 25c.				
	.15	.05		
Dwarf Double Mixed. Plants grow but 12 inches				
high; all colorsoz., 30c.	.15	.05		
HARDY PERENNIAL VARIETIES				

Handson	ne perennial border plants flowering the en-		
	La	rge pki	t. Pkt.
	Soft blue		
Caucasica	Alba. Pure white	.50	.10
Japonica.	Lavender	.25	CI.



Schizanthus-Wisetonensis

SCHIZANTHUS (Butterfly Flower)

One of our finest hardy annuals, bearing a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of Orchids; also desirable for winter blooming in pots.

Large pkt.	Pkt.				
Pink Beauty (New). A beautiful shade of rose pink; a pure self without any markings	.40				
Hybridus Grandiflorus Forms compact pyramidal	•23				
plants covered with flowers of many shades of orchid-like appearance; 12 inches	.10				
Wisetonensis. A showy variety, largely used as a pot plant for the house or conservatory; bears a profusion of flowers ranging from white with yellow centre to pink with brown centre; 1½ feet 50	.20				
Bridal Veil. Compact plants literally covered with glistening, snowy white blossoms; finely laciniated					
green foliage; 16 inches	.25				
Mixed. Various colors	.05				
SENSITIVE PLANT (Mimosa)					
Pudica. Curious and interesting annual plants with pinkish white flowers; the leaves close or droop when touched or shaken; 18 inches	.05				
SHAMROCK					
True Irish. Small leaved variety	.IO				
SHASTA DAISY. See Chrysanthemum					
SILENE (Catchfly)					
Free-flowering hardy annuals, with showy flowers. Pendula, Dwarf Rose	\$0.05 .05 .05				
A greenhouse climber of great value for floral decorations; seed should be soaked 24 hours in warm					

SOLANUM

Ornamental plants for winter decoration; of dwarf branching habit; bears a profusion of bright berries; I foot. Capsicastrum (Jerusalem Cherry). Bright scarlet leaves and fruit somewhat smaller than the above .15

STATICE Pretty plants for the summer garden in beds or borders, also for rock-work. The flowers when dried make nice winter

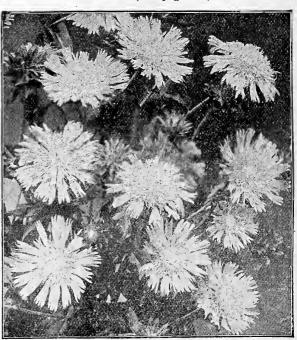
bouquets. Large pkt. Pkt. Latifolia. Hardy perennial variety, with large, deep blue flowers; 2 feet.....\$0.30 \$0.10 Suworowi. An annual variety, with pink flowers; I foot,20

STEVIA

Serrata. Free blooming plants for summer or winter; bearing a profusion of fragrant white .IO

STIPA, Ornamental Grass. (See page 88)

STOCK. (See page 108)



Stokesia Cyanea

STOKESIA (Cornflower or Stokes' Aster)

Plants grow about 15 to 18 inches high, bearing freely from July to October handsome Centaurea-like blossoms, each measuring from 4 to 5 inches across; it is of easy culture, and one of the most desirable plants for the hardy border, and excellent for cutting. Large pkt. Pkt. Cyanea. Light blue \$0.25 Cyanea Alba. Pure white 30

STRAWFLOWER See Helichrysum

MICHELL'S CULTURAL LEAFLETS

We have prepared the following Cultural Leaflets especially for the benefit of the amateur, or in fact for any who may want them, giving instructions how to grow the same successfully from seed. These leaf lets are free.

ow to grow the same su	iccessiumy from seed.	These lear jets are free.
201. Antirrhinum. 202. Aster. 203. Cineraria. 204. Mignonette. 205. Petunia. 206. Primula. 207. Verbena.	208. Zinnia. 209. Pansy. 210. Salvia. 211. Stock. 212. Perennials. 213. Carnation. 214. Cosmos.	215. Cyclamen. 216. Larkspur (Annual) 217. Lupinus. 218. Phlox Drum. 219. Nasturtium. 220. Begonia.

.10

water before sowing; 10 feet......oz., 50c. .15 SNAPDRAGON. See Antirrhinum

Michell's Giant Flowering Nasturtiums

Nasturtiums are among the best known and most popular of hardy annuals, and within the past few years have been greatly improved in size, as well as in colors and markings Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well drained soil.

MICHELL'S COLLECTIONS OF NASTURTIUMS



DWARF OR BEDDING (TOM THUMB)

Of dwarf, compact growth; excellent for borders or for bedding, forming plants about I foot high by I foot across. Michell's Giant Flowering Mixed. This is one of the finest mixtures, composed of the largest and finest named varieties, and cannot be surpassed for brilliancy of color. 1/4 lb. Pkt. Per lb., \$1.35.....\$0.45 \$0.20 \$0.10 Choice Mixed. Comprising a large variety of brilliant colors. Lb., \$1.00..... .15 .05 Liliput Mixed. A fine variety of very dwarf and compact growth, and producing in the greatest profusion flowers of many new and beautiful colors20 .05 .30 .IO iage; flowers beautifully fringed and of a remarkable range of colors......60 .20 .10 Queen of Tom Thumbs Mixed. Silver variegated foliage; flowers in a great variety of colorsIo Queen of Tom Thumbs, Crimson. variegated foliage and rich, bright crimson flowers25 .IO Golden Foliage Mixed. The golden yellow foliage and the flowers of many colors make a beautiful contrast..... .15 .IO Compact plants David Burpee Spencer. with emerald green leaves which are wavy and ruffled; flowers deep scarlet..... .IO .30 Aurora. Rich yellow, veined carmine...... .15 .05 Beauty. Yellow, with scarlet veinings..... .05 .15 Bronze. Burnished bronze color..... .05 .15 Chameleon. Produces various colors and markings on the same plant..... .15 .05 Cloth of Gold. Bright golden yellow leaves and brilliant scarlet flowers..... .05 Crystal Palace Gem. Sulphur yellow, spotted .05 .15 Empress of India. A splendid variety, with dark leaves and crimson flowers.... .15 .05

Michell's Giant Dwarf Nasturtiums

Golden King. Dark foliage; rich, golden yellow flowers		Oz. \$0.15	Pkt. \$0.05
11	.40,	.15	.05
1-4 (1	.40	.15	.05
Lady Bird. Rich orange yellow, with a red	.40	.15	.05
	.40	.15	.05
	.40	.15	.05
Pink. Soft rose color	.40	.15	.05
Prince Henry. Cream, spotted and tipped			
red	.40	.15	.05
Scarlet. Brilliant	.40	.15	.05
Spotted. Rich yellow, spotted crimson	.40	.15	.05
Vesuvius. Salmon rose	.40	.15	.05
Yellow. Bright shade	.40	.15	.05
Imported Collection. 12 dwarf varieties			.50

Ask for Cultural Leaflet No. 219 on the growing of Nasturtiums.

For Tall or Climbing Nasturtiums, see next page.

LOBB'S CLIMBING NASTURTIUMS (Tropaeolum Lobbianum)

These are exceedingly free-flowering and of the most brilliant colors, with neat dark green foliage; excellent for window boxes, vases, hanging baskets, and rockeries; also for greenhouse or conservatory during the winter; 8 to 10 feet.

Choice Mixed. Lobb's varieties, all colors.	4 lb.	Oz.	Pkt.
Per 1b., \$1.25	80.40	0.15	\$0.05
Asa Gray. Yellowish white	.50	.20	.05
Brilliant. Glowing scarlet flowers	.50	.20	.05
Giant of Battles. Sulphur yellow, blotched			
carmine	.50	.20	.05
Golden Queen Golden yellow	.50	.20	.05
Roi des Noirs. Dark garnet red	.50	.20	.05
Rudolph Virchow. Soft rosy pink	.50	.20	.05
Spitfire. Brilliant scarlet	.50	.20	.05
Collection. One packet each of above 7	Lobb's	s vai	ieties
for ·3oc.			

104 Michell's Giant Flowering Nasturtiums (Continued)

TALL OR CLIMBING NASTURTIUMS

'For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early summer until frost; height, 8 to 10 feet.

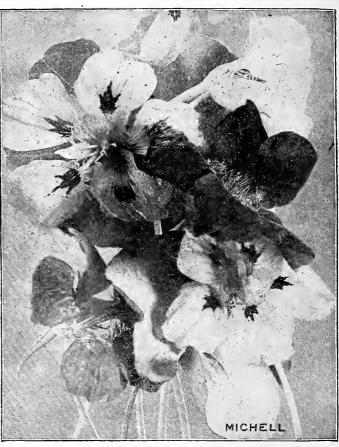
Michell's Giant Flowering Mixed. This mixture cannot be excelled for large size and beau-			0
tiful colors of the flowers. Composed of the largest and finest varieties. Per lb., \$1.35.\$		Oz. \$0.20	Pkt. \$0.10
Choice Mixed. Lb., \$1.00	.30	.15	.05
Queen of Talls, Mixed. Silver variegated foliage, flowers of all colors	.50	.15	.10
Ivy Leaved Mixed. Ivy-like, deep green foliage; flowers beautifully fringed	.50	.20	.10
Hybrids of Mad. Gunther. A special strain; all shades and colors. Per lb., \$1.00	.40	.15	.05
Chameleon. Produces different colored flow-			* .
ers on the same plant	.40	.15	.05
Crimson. Rich and velvety	.40	.15	.05
Hemisphaericum. Different shades of orange-		-	,
salmon and scarlet	.40	.15	.05
Jupiter. Color, pure deep yellow, with crinkled petals; of immense size	.40	.15	.05
King Theodore. Dark foliage and flowers	.40	.15	.05
	•	.15	.05
Orange. A deep shade	.40	_	_
Prince Henry. Cream, spotted and tipped red	.40	.15	.05
Pearl. Creamy white	.40	.15	.05
Pink. Soft rose color	.40	.15	.05
Scarlet. Very bright	.40	.15	.05
Vesuvius. Salmon pink	.40	.15	.05
Yellow	.40	.15	.05
Imported Collection. 12 tall varieties			.50

Ask for Cultural Leaflet No. 219 on the growing of Nasturtiums.

DWARF NASTURTIUMS are offered on page 103



Sunflower, Stella



Michell's Giant Tall Nasturtium

SUNFLOWER (Helianthus)

Well known hardy annuals, the small flowering sorts being useful for cutting; the tall varieties are valuable for backgrounds.

SMALL FLOWERED SORTS Large Pkt, Pkt. Stella. Large, single golden yellow flowers with Cucumerifolius. Single yellowoz., 25c. .15 Cut-and-Come-Again. Single yellow flowers, with .IO Perkeo. Single yellow, black centre; I foot...... .15 .IO Starlight. Beautiful single canary-yellow flowers with twisted petals; 4 feet...... .20 SUNFLOWER-LARGE FLOWERED SORTS New Red. Extra large flowers, some of which are rich chestnut red, others tipped with yellow...... .10 Chrysanthemum Flowered. Large double golden yellow flowers, resembling Chrysanthemums; 7 feetoz., 30c. .15 .05 Double Globe (Globosus Fistulosus). Large double .05 Dwarf Double (Globe of Gold). Yellow flowers; 3 feetoz., 25c. .05 Oscar Wilde. Single yellow, black centre; 6 feet. oz., 30c. .05 Russian Mammoth. Immense single yellow flowers on tall heavy stalks; 6 feet.....oz., Ioc. .05

SUNFLOWER—PERENNIAL SORTS
Showy garden flowers blooming the whole summer.

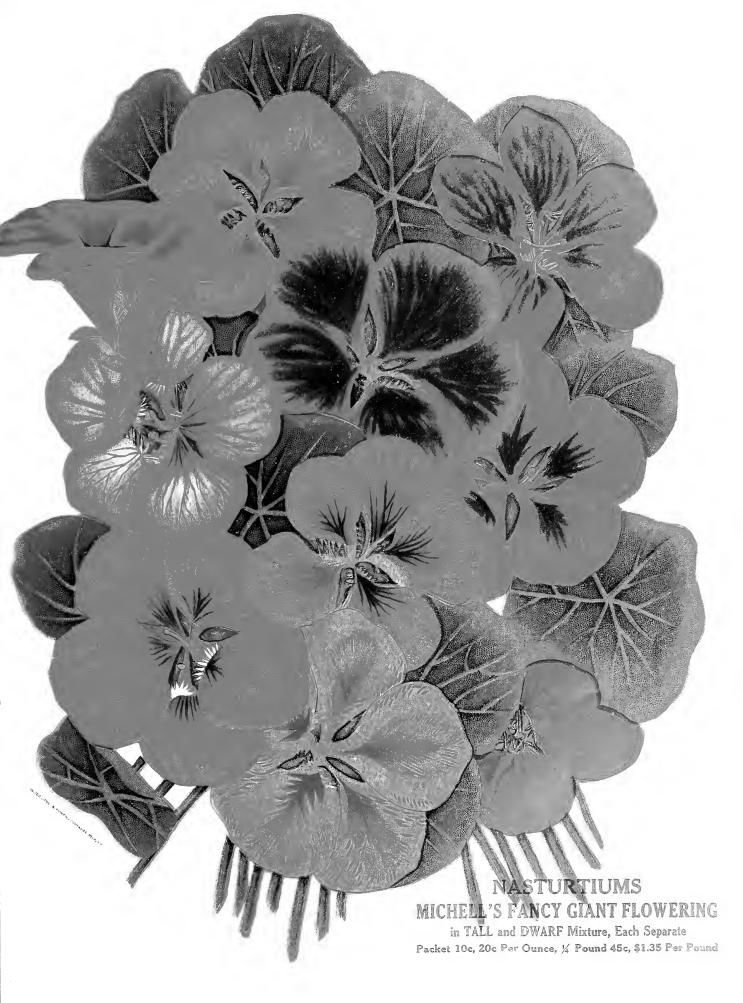
Golden Bouquet. Single yellow flowers; 5 feet.....\$0.25

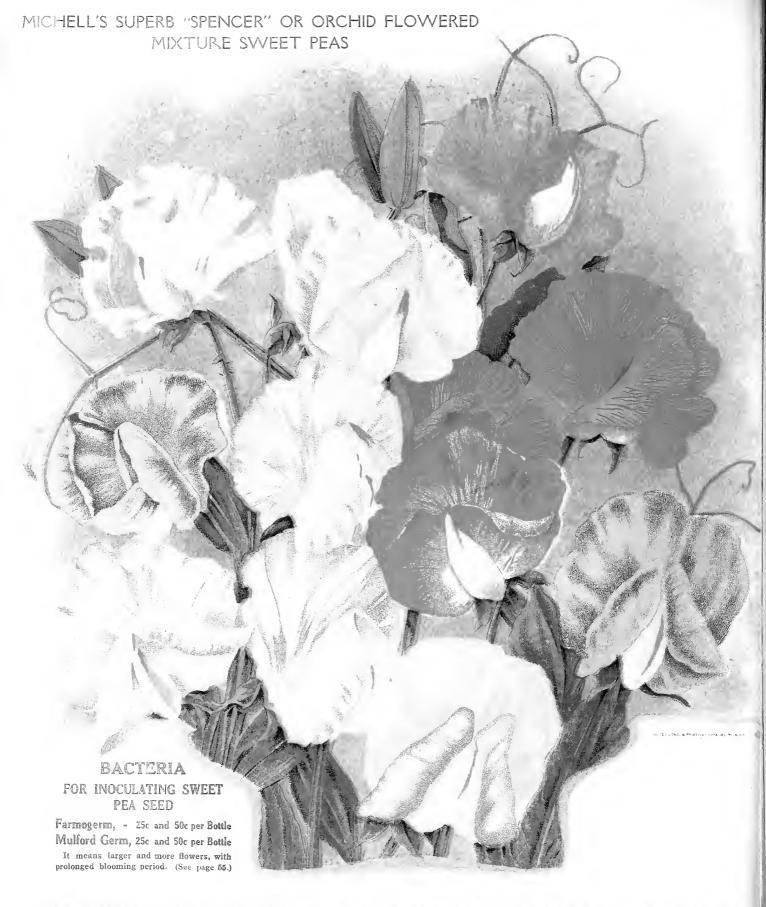
Choice Mixed. Single flowering, hardy perennial

sorts; will bloom the first year if sown early..... 40

\$0.10

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MICHELL'S SUPERB "SPENCER" OR ORCHID FLOWERED SWEET PEAS

Mixture of all colors

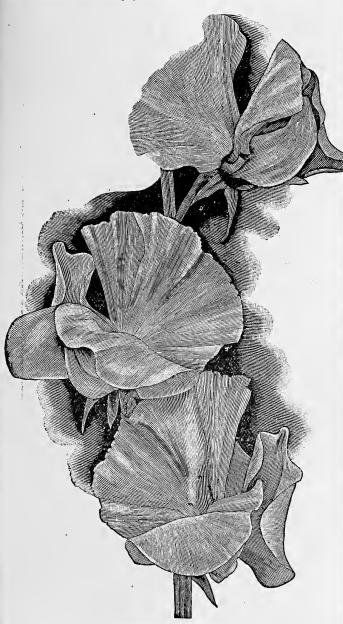
Per pkt.

Per oz. 20c. Per ¼ lb 60c.

Per 1b. \$2.00

MICHELL'S SPENCER OR ORCHID SWEET PEAS

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas Though but a few years old they are fast supplanting the older type. They are distinguished from the standard sorts by the enormous flowers with crinkled and wavy petals, and also from the fact that they usually bear four blossoms on a stem.



New Spencer Sweet Peas

MICHELL'S "SUPERB" SPENCER **MIXTURE**

We blend this ourselves from only the Giant Waved Spencer varieties, including a number of new hybrids of exquisite colors and shades; we are sure this mixture will give absolute satisfaction. Per pkt., 10c.; 20c. per oz.; 1/4 lb., 60c.; \$2.00 per lb.

SWEET PEA PLANTS
Grown in 2½ inch pots. Ready about April 1st to 15th. We can supply these in the Spencer or Orchid type in the following colors: blush white, pure white, dark blue, light blue, light pink, dark pink, bright scarlet and deep scarlet. These planted out at the above time usually bloom by Memorial Day in the latitude of Philadelphia. No order executed for less than one dozen plants unless in conjunction with other plants. Per doz., \$1.00; \$7.00 per 100.

sually bear four blossoms on a stem.				
WHITE	Pkt.	Oz.	½ Lb.	Lb.
Constance Hinton, Large white, black				
seeded\$	0.15	\$0.75	\$0.25	\$9.00
seeded\$ King White. Gigantic flowers; pure				
white	.Io	.50	1.50	5.00
Nora Unwin. Large pure white	.10	.15	.50	1.50
White Spencer. Pure white	oI,	.25	.75	2.50
LIGHT PINK				
Blanche Ferry Spencer. Large flowers; pink and white	т.о.	0.5		0.50
Countess Spencer. A lovely clear pink,	.Io	.25	·75	2.50
shading deeper at the edge	.Io	.25	.75	2.50
Elfrida Pearson. Light pink, margined		.25	.73	2.50
with darker pink	.IO	.30	.85	3.00
Florence Morse Spencer. Delicate blush,				
winth pink margin	.10	.25	.75	2.50
Gladys Unwin. Delicate pink	.10	.15	.50	1.50
Hercules. Giant pure pink	.Io	.40	1.25	4.00
Lovely Spencer. Deep pink, shading to	7.0	25		0.50
Miriam Beaver. Light apricot and buff	.10	.25	·75	2.50 5.00
Mrs. Cuthbertson. Standard rose pink;	~ .13	.50	1.50	5.00
wings blush white	. Io	.30	.85	3.00
Mrs. C. W. Breadmore. Buff ground, edged with pink				
with pink	.IO	.30	.85	3.00
Mrs. Routzahn Spencer. Buff pink	.10	.25	.75	2.50
DEEP PINK OR ROS				
Apple Blossom Spencer. Rose and pink.	.Io	.25	.75	2.75
Edith Taylor. Bright salmon rose	.15	.50	1.50	5.00
Rosabelle. Giant rose	.Io	.25	.75	2.50
PRIMROSE OR LIGHT YE	.IO	.40	1.25	4.00
Dobbie's Cream. Deep cream, or prim-	مالاسالات	O AA		
rose yellow	.Io	.30	.85	3.00
Primrose Spencer. Light yellow	.Io	.25	.75	2.50
ORANGE AND SALMO			, ,	
Helen Lewis. Orange pink	.Io	.25	.75	2.50
Hilary Christie. Standard salmon orange;				
wings rosy salmon	.15	2.00	6,00	
Manager Atlan Light salmon pink	.10	.50	1.50	5.00
Margaret Atlee. Light salmon pink on cream ground	.Io	.40	1.25	4.00
Mrs. Hugh Dickson. Salmon pink on	.10	.40	1.23	4.00
Mrs. Hugh Dickson. Salmon pink on cream ground	.Io	.25	.75	2.50
Robert Sydenham. Orange	.15	.75		8.00
Sterling Stent. Deep salmon, suffused				
with orange	.10	.40	1.25	4.00
LAVENDER				
Asta Ohn Spencer. Rich lavender	OI.	.25	.75	2.50 2.50
Florence Nightingale The largest and	.10	.25	.75	2.50
Flora Norton Spencer. Light lavender Florence Nightingale. The largest and best lavender Frank Dolby. Light lavender	.Io	.30	.85	3.00
Frank Dolby. Light lavender	.Io	.20		2.00
Margaret Madison Improved. Light lav-				
ender or azure blue	.Io	.40	1.25	4.00
BLUE AND PURPLE	•			
Captain of the Blues Spencer. Standard	10	20	.85	3.00
purple; wings blue	.10 .15	.30 .75	_	8.00
Wedgewood. A lovely self blue	,IO	.50	_	
SCARLET				
Fiery Cross. Large, intense orange scar-				
let	.25			
King Edward Spencer. Crimson scarlet	.Io	.25	·75	2.50
President. Glowing scarlet self	.25	25	Jen	0.50
Queen Alexandra. Bright scarlet	.IO	.25	.75 .85	2.50 3.00
I nomas Stevenson. Orange Scarret	.10	.30 .50	_	5.00
Vermilian Brilliant Intense scarlet		.50	1,50	, 5.50
Thomas Stevenson. Orange scarlet Vermilion Brilliant. Intense scarlet MAROON				
MAROON		.50	1.50	5.00
MAROON King Manoel. Rich maroon Marks Tey. Purplish maroon	.Io	.50 .50		5.00
MAROON King Manoel. Rich maroon Marks Tey. Purplish maroon Nubian. Maroon or deep chocolate self.	.Io		1.50	
King Manoel. Rich maroon	.Io .I5 .Io	.50	1.50 .85	5.00
King Manoel. Rich maroon	.Io .I5 .Io	.50 .30	1.50 .85	5.00 3.00
King Manoel. Rich maroon	.10 .15 .10 .10	.50 .30 .25	1.50 .85 .75	5.00 3.00 2.50
MAROON King Manoel. Rich maroon Marks Tey. Purplish maroon Nubian. Maroon or deep chocolate self. Othello Spencer. Deep maroon STRIPED AND FLAKI America Spencer. Red flakes on white	.Io .I5 .Io	.50 .30	1.50 .85	5.00 3.00
King Manoel. Rich maroon	.10 .15 .10 .10	.50 .30 .25	1.50 .85 .75	5.00 3.00 2.50

106 MICHELL'S GRANDIFLORA SWEET PEAS

.40 1.25

1.25

SEPARATE COLORS

The varieties we offer below have been selected from a large list and embrace only the very best large flowering sorts.

Our Booklet "How to Grow Sweet Peas" included in all orders if requested.

orders if requested.		
Oz.	¾ lb.	Lb.
Blanche Burpee. Large, pure white\$0.1	5 \$0.40	\$1.25
Dorothy Eckford. Extra large, white	5 .40	1.25
Emily Henderson. Pure white	5 .40	1.25
PRIMROSE AND YELLOW		
Hon. Mrs. E. Kenyon. Primrose yellow1	5 .40	1.25
ROSE AND PINK		
Blanche Ferry. Pink and white	5 .40	1.25
Katherine Tracy. Soft but brilliant pinkI		1.25
Lovely. Soft shell pink		1.25
Prima Donna. Lovely soft pink		1.25
Prince of Wales. Rose crimson	5 .40	1.25
ORANGE		
Miss Wilmott. Deep orange pink	5 .40	1.25
LAVENDER		
Countess of Radnor. Pale lavender1	5 .40	1.25
Lady Grisel Hamilton. Pale lavenderI		1.25
Flora Norton. Delicate lavender	5 .40	1.25
CRIMSON AND SCARLET		
King Edward VII. Crimson scarlet	5 .40	1.25
Queen Alexandra. Large scarlet		1.25
BLUE AND PURPLE		
Duke of Westminster. Standard clear pur-		
ple, wings violet	5 .40	1.25
Lord Nelson. Rich navy blue		1.25
Navy Blue. Deep violet blue		1.25
MAROON		

Price any of the above Varieties, 5c. per packet.

STRIPED AND MOTTLED

America. Blood red striped on white...... .15

SPECIAL COLLECTIONS OF SWEET PEAS

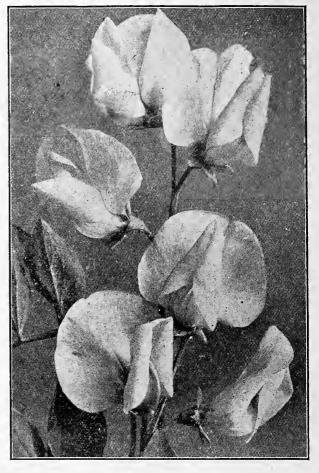
One	packet	each	15	name	l varietie	s our	selection	\$0.50
One	ounce	each	15 r	iamed	varieties	our s	selection	1.50

For Spencer or Orchid Flowered Sweet Peas see page 105.

Michell's Christmas or Winter Flowering SWEET PEAS

The following varieties can be successfully grown outdoors in summer, but are especially desirable for forcing in greenhouse for winter blooming.

		Oz.	74 1D.
Michell's Snowdrift. Pure white; black			
seeded; extra early; large flowers\$	0.10	\$0.35	\$1.00
Blanche Ferry, Extra Early. Pink and white	.05	.15	.50
Christmas Meteor. Scarlet	.IO	.25	-75
" Pink. Pink and white	.IO	.25	.75
" White (Florence Denser)	.IO	.25	.75
Earliest of All. Pink and white	.05	.15	.50
Le Marquis. Large dark blue	.IO	.25	.75
Mont Blanc. Pure white	.05	.15	.50
Mrs. Alex. Wallace. Lavender	.IO	.25	.75
Mrs. Chas. H. Totty. Lavender	.IO	.25	.75
Mrs. F. J. Delansky. Daybreak pink	oi.	.25	.75
Mrs. Geo. Lewis. Pure white	.IO	.25	.75
Mrs. William Sim. Salmon pink	.IO	.25	.75
Mrs. W. W. Smalley. Satin pink	.IO	.25	.75
Watchung. Pure white	.IO	.25	-75
Mixed. Winter flowering	.IO	.25	.75



Sweet Pea, Dorothy Eckford

NEW EARLY-FLOWERING LONG SEASON SPENCER SWEET PEAS

One of the chief characteristics of these varieties is their longseason period of blooming, frequently remaining in bloom for four months. The flowers are of large size, of the best Spencer form, and are borne in threes and fours on long stems.

Early Morning Star. Deep orange scarlet	¼ Oz.	Oz.
or flame color in standard, with rich, orange		
pink wings\$0.25		
Early Song Bird. Pale pink on white ground .25		
Early Melody. Rose pink on white ground25	1.75	6.00
Early Snow Flake. Pure white		7.50
Early Heather Bell. Mauve lavender	1.75	6.00

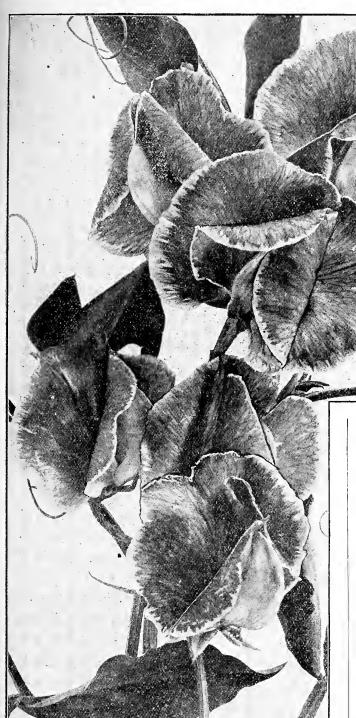
WINTER FLOWERING SPENCER OR ORCHID SWEET PEAS

Rose Queen. One of the finest varieties yet introduced. Flowers are borne freely on long stems, are of large size, and usually four flowers are produced on a stem. Color, a most attractive shade of pink. Pkt., 50c.; \$2.00 per 1/4 oz.; oz., \$7.00. Yarrawa. Flowers exquisitely waved, and of large size, many

Yarrawa. Flowers exquisitely waved, and of large size, many of them being duplex or double. Color, a pleasing shade of bright rose pink with lighter wings. Pkt., 15c.; 6oc. per ¼ oz.; per oz., \$1.50; \$5.25 per ¼ lb.

		¼ Oz.	
Mrs. A. A. Skaach. Clear, light pink	.\$0.25	\$0.60	\$2.00
Mrs. M. Spanolin. Pure white	25	.60	2.00
Pink and White Orchid	25	.60	2.00
White Orchid	.25		2.00
Lavender Pink Orchid	25	.60	2.00
Lavender Nora	15	.30	1.00
Red Orchid	25	.60	2.00
Venus. White, blushed pink	25	.60	2.00
Mixed Colors		.40	1.25

MICHELL'S SWEET PEAS IN MIXTURE



Orange, Va.

Dear Sirs:

I must say that in an experience of 30 years in growing Sweet Peas I never before had such strong growth of vines, united with such persistent blooming and fine flowers.

Yours respectfully, P. S.

Newnan, Ga.

Gentlemen:

Please send me the following varieties of Sweet Pea Seed:—My Spencer Sweet Peas bought of you last year were the finest I ever saw.

Very respectfully, Mrs. W. D. P.

SWEET PEAS IN MIXTURE

The mixtures offered below have been made by ourselves and should not be compared with some of the cheap mixtures advertised.

MICHELL'S SUPERB SPENCER OR ORCHID FLOWERED MIXTURE

This is blended from only the Giant Waved Spencer varieties, including a number of new hybrids of exquisite colors and shades; we feel sure this mixture will give absolute satisfaction.

Price: 10c. per pkt.; per oz., 20c.; 60c. per $\frac{1}{4}$ lb.; per lb., \$2.00.

MICHELL'S MAGNIFICENT MIXTURE

Great care has been taken in making this mixture, selecting the large flowering, long stemmed varieties, a large percentage of which are of the lighter colors and shades.

Price: 5c. per pkt.; per oz., 15c.; 40c. per ¼ lb.; per lb., \$1.25.

MICHELL'S GILT EDGE MIXTURE

This mixture contains the Grandiflora or large flowering varieties, and represents almost every color and shade in Sweet Peas.

Price: 5c. per pkt.; per oz., 10c.; 30c. per ½ lb.; per lb.; \$1.00.

DWARF CUPID VARIETIES MIXED

Compact plants growing 6 to 7 inches high and 12 to 15 inches in diameter, and from June until late summer are literally a sheet of bloom; excellent for edgings or pot culture.

Price: 5c. per pkt.; per oz., 15c.; 50c. per $\frac{1}{4}$ lb.; per lb., \$1.50.

Our Booklet "How to Grow Sweet Peas" included in all orders if requested.

NITROGEN-GATHERING BACTERIA

Ideal preparation for treating sweet peas seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period.

Farmogerm. Per bottle, 25c. and 5oc.

Mulford's Cultures. Per bottle, 25c. and 5oc.

MICHELL'S "DISTINCTIVE" STOCKS

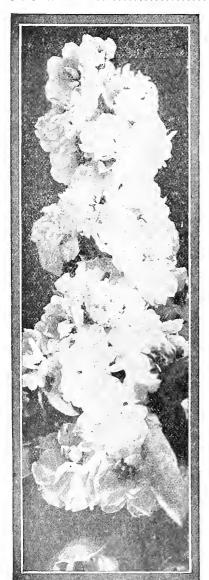
The stock is one of the most popular and highly prized of our cultivated flowers, either for the garden or for pot culture. The charming colors, delightful fragrance and free blooming character, have made them favorite plants for both summer and winter cultivation. The seeds we offer are hand-saved from pot-grown specimens and will produce a large percentage of double flowers.

MICHELL'S "FLOWER MARKET" STOCK

This is the ideal stock for either garden, cutting			
glass. Plants branch freely and produce from 10 to			
extra large perfect flowers; height, 2 feet.	⅓ Oz. 1	arge pk	t. Pkt.
White	\$0.75	\$0.40	\$0.15
Flesh Color	· · · ·75	.40	.15
Rose	75	.40	.15
Light Blue	75	.40	.15
Dark Blue	75	.40	.15
Blood Red	75	.40	.15
Mixed Colors	75	.40	.15

MICHELL'S "DISTINCTIVE" COLUMN STOCK

			_
Stout plants produce just one giant spike, lined w	ith man	moth	flow-
ers; height, 3 feet	⅓ Oz. L	argepk	t. Pkt.
Blood Red	\$0.75	\$0.40	\$0.15
Pure White	75	.40	.15



Michell's "Nice" Stock

LARGE FLOWERED DWARF TEN WEEK

For bedding there is nothing more effective; dwarf compact growing plants, producing thick short spikes of elegant double flowers. Light Blue50 .10 .IO .30 **Purple** 50 .30 .IO White50 .30 .IO Yellow50 .30 .10 Choice Mixed50 .10 Imported Collec= tion. 8 varieties.....

MICHELL'S "NICE" STOCK

An early flowering strain; remarkable free bloomer, producing an abundance of large double, fragrant flowers on a single plant; fine for garden bedding or cutting. Beauty of Nice. Delicate soft pink.

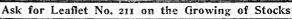
Pkt., 15c.; 40c. large pkt. Crimson King. Brilliant fiery crimson. Pkt., 15c.; 40c. large pkt. Queen Alexandra. Delicate lavender. Pkt., 15c.; 40c. large pkt. Victoria. Pure white. Pkt., 15c.;

40c. large pkt.

all shades

flowering outdoors





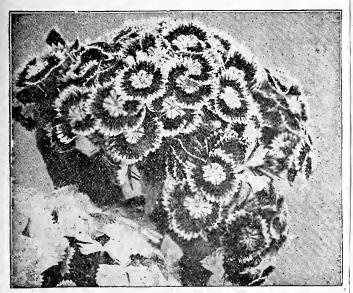
MICHES FLOWER SEEDS

SUNFLOWER—(See page 104) SWEET ROCKET (Hesperis)

A desirable hardy plant, excellent for naturalizing among shrubbery or for planting in a permanent border. Mixed. Fragrant white and purple flowers; pe en- Large pkt Pkt. nial; 2 to 3 feet\$0.15 \$0.05

SWEET SULTAN (Centaurea Moschata)

Hardy annual; fragrant flowers, resembling "Bachelor's Buttons. Large pkt. Pkt.



Single Sweet William

SWEET WILLIAM (Dianthus Barbatus)

This is one of the finest of our hardy garden plants; of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery Oz. Large pkt. Pkt.

Single Crimson	80.50	\$0.15	\$0.05
" Velvety Maroon	50	.15	.05
" White	.50	.15	05
" Mixed. All colors	.40	.15	.05
Pink Beauty. An exceedingly pretty variety		·	·
with beautiful salmon pink flowers		40	.15
Scarlet Beauty. Rich deep scarlet variety		40	.15
Auricula Flowered. A beautiful class of			
"eyed" single varieties, all colors mixed	-75	.20	.05
Double Mixed	1.00	.20	.IO

TAGETES (Single Marigold)

Golden Ring. Dwarf bushy annual Marigold, with beautiful fern-like leaves, covered with flowers of dark brown, edged yellow; I foot\$0.20 \$0.05

THUNBERGIA (Black-Eyed Susan)

Rapid growing annual climbers, making a pretty vine for trellis, fences, rockwork, etc.; also for window boxes, hanging baskets, and vases; produces a profusion of pretty flowers. Large pkt. Pkt. Mixed. All colors\$0.20 \$0.05

TORENIA

Showy bedding plants, flowering profusely all summer; also fine for pots and baskets, height, 12 inches.

Fournieri Grandiflora. Sky-blue flowers, with dark Large pkt. Pkt

blue spots and yellow throat\$0.50 \$0.10

TRITOMA (Red Hot Poker Plant)

Uvaria Grandiflora. A most striking ornamental autumn plant; valuable for shrubberies, flower borders or beds; large spikes of orange-scarlet flow-.....\$0.20 \$0.10 ers; 3 to 4 feet ...

VALERIANA (Garden Heliotrope)

Hardy perennial border plants, large fragrant flowers; 2 to feet. Large pkt. Pkt. Mixed Colors\$0.15



Michell's Mammoth Fancy Verbena

VERBENA

An excellent annual for beds and massing, and for a gorgeous display during the summer months cannot be excelled, commencing to flower in July and continuing until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and beautiful colors and shades.

'_				arge pk	
Michell's	Mammoth	Fancy	Blue\$2.00	\$0.40	\$0.10
••	**	- "	Pink 2.00	40	.Io
44	44	"	Scarlet 2.00	40	.10
44	**	"	Striped 2.00	.40	.IO
44	66	"	White 2.00	.40	.IO
			h of above 5 c olors		.40
Michell's	Mammoth	Fancy 1	Mixed 1.50	.40	.IO
with ex	ktra large	white of	ew variety of large size eyes, making them very	7	
			ariety with large flowers		.15
			with white eye	.65	.20
Fine Mixe	ed. All co	lors	oz., 80c	25	.05
orite pl excellen	ant with do	elightfu ving in	itriodora). An old fav- l lemon scented foliage the garden in summer	;	.10
			207 46		

Ask for Cultural Leaflet No. 207 on the growing of Verbenas.

VERONICA (Speedwell)

An elegant hardy perennial plant, of easy culture and free-flowering habit; of value as a cut flower or for garden effect. Plants grow bushy and produce long spikes of flowers.

							Large pk	. Pkt.
Spicata.	Long	spikes	of	bright	blue	flowers	18	
inches							\$0.30	\$0.10
Virginica	. Lor	ıg spike	es of	f white	flow	ers; 3 to	5	
								.IO

WINGHELDS F.L.

VINCA ROSEA (Madagascar Periwinkle)

Dwarf bedding plants with deep green glossy to	oliage	and
bright single blossoms of striking beauty; sow early.		
Lar	ge pkt.	Pkt.
Alba. White with rose eye\$	0.20	\$0.10
Alba Pura. Pure white	.20	.Io
Rosea. Rose with dark eye	.20	.IO
Mixed	.20	.10

VIOLA CORNUTA (Tufted Pansies)

These resemble pansies in shape and form, with the		
quality that they are of long stems, and appear unint	errup	otealy .
from early spring till snow flies. Large		
Admiration. Dark blue\$	0.30	\$0.10
Mauve Queen. Lovely mauve color	.30	.10
Perfection. Light blue	.30	.IO
White Perfection. Pure white	.30	.Io

VIOLA (Scotch Bedding Pansies)

fuer flowering and connet be surposed for

These are very free howering and cannot be suit		
bedding purposes; produce larger flowers than the Viol	la Co1	runta,
		. Pkt.
Golden Gem. Yellow\$	0.50	\$0.15
Lutea Splendens. Rich golden yellow	.30	.10
Snowflake. Pure white	.50	.15

VIOLET Sweet Scented (Viola Odorata)

Mixed. From the best named Scotch varieties..... .65

	Large pkt	
Single Blue Czar. Dark blue	\$0.40	\$0.10
Single White Czar. Large white		
Single Mixed. Blue and white	40	.io

XERANTHEMUM (Everlasting Flower)

Double Mixed. Excellent for winter bouquets....\$0.15 \$0.05



New Giant Robusta Zinnias

WALLFLOWER

While these are perennials, they are not plants should be lifted late in the fall and frame, and removed to the garden again in t	planted in a he spring; th	a cold- e flow-
ers are fragrant and splendid for cutting;	double vari	eties, 2
feet; single varieties, 1½ feet.	Large p	kt. Pkt.
feet; single varieties, 1½ feet. Double Brown	\$0.50	\$0.10
"Yellow	50	.10
" Mixed. All colors		
Single Mixed	.oz., 3oc15	.05
Imported Collection. 6 double varieties		.50
Paris Extra Early. A single-flowering va-		may be
treated as an annual, flowering the first year	from seed.	-
,	Large n	kt. Pkt.
Blood Red	\$0.20	\$0.10
Yellow		01.
Mixed. All colors	.oz., 6oc15	.10
MALVED OD THE D TH OFFICE CA	BENEFIT CI	CEDC

MIXED OR WILD FLOWER GARDEN SEEDS

This mixture embraces about 100 varieties of easy-growing, beautiful and interesting annual flowers, which will furnish a profusion of bloom throughout the entire summer and autumn; many of the varieties will be found useful for cutting. Price: Pkt., 5c.; oz., 15c.; ¼ lb., 5oc.; \$1.50 per lb.

MICHELL'S PERENNIAL FLOWER GARDEN MIXTURE

To create an old-fashioned wild garden or to naturalize along roads or woods we highly recommend this mixture, as it contains many hundred varieties of the choicest old-fashioned flowers. Pkt., Ioc.; I oz., 40c.; \$1.25 per 1/4 lb.

MICHELL'S DISTINCTIVE ZINNIAS

(Youth and Old Age)

Few of our hardy annuals are more effective in the border than Zinnias. They are easily grown, and bloom continuously from early summer until frost.

ROBUSTA OR GIANT DOUBLE ZINNIAS

 Plants grown to a height of 2½ feet, with immense perfectly double flowers; splendid for cutting or garden effect.
 Oz. Large pkt. Pkt.

 Crimson
 \$1.50
 \$0.40
 \$0.15

 Flesh Color
 1.50
 .40
 .15

 Golden Yellow
 1.50
 .40
 .15

 Purple
 1.50
 .40
 .15

 Scarlet
 1.50
 .40
 .15

 Sulphur Yellow
 1.50
 .40
 .15

Collection, one packet each above 8 colors......... TALL DOUBLE ZINNIAS

.15

.15

.IO

1.00

.40

Violet 1.50

White 1.50

Mixed 1.00

Flowers of good size; height, 2 feet.		
Crimson	\$0.15	\$0.05
Pink	.15	.05
Scarlet	.15	.05
White	.15	.05
Yellow	.15	.05
Mixed	.15	.05
Imported Collection. 6 varieties		.25

DWARF DOUBLE ZINNIAS

Fine for edgings; neight, 1½ feet.			
Crimson	.\$0.60	\$0.15	\$0.05
Pink	60	.15	.05
Salmon Rose	60	.15	.05
Scarlet	60	.15	.05
White	60	.15	.05
Yellow	60	.15	.05
Mixed		.15	.05
Imported Collection. 6 varieties			.25

VARIOUS ZINNIAS

Curled and Crested. Large double flowers;		
petals twisted and curled; mixed colors;		
1½ feet\$0.60	\$0.20	\$0.10
Red Riding Hood. Miniature double flow-		
ers; intense scarlet; I foot	.20	.IO
Zebra or Striped. Large double flowers;		
striped and spotted: 2 feet	.20	.IO

Ask for Cultural Leaflet No. 208 on the growing of Zinnias.

Abutilon—Flowering Maple.
Abyssinian Banana—Musa Ensete.
Achillea—Milfoil, Sneezewort.
Aconitum—Helmet Flower, Monk's
Hood, Wolf's Bane.
Acroclinium—Everlastings.
Adams Needle—Yucca.
Adiantum—Maiden Hoir Fern.
Adlumia—Allegheny Vine, Mountain
Fringe.
Adonia aestivalis—Pheasant's Eye.
African Daisy—Arctotis.
African Lily—Agapanthus.
Agapanthus—African Lily.
Ageratum—Floss Flower.
Agrostemma—Rose Campion.
Allegheny Vine—Adlumia.
Aloysia citriodora—Lemon Verbena.
Althaea—Rose of Sharon.
Alum Root—Heuchera.
Alyssum saxatile—Basket of Gold.
Amaranthus caudatus—Love Lies
Bleeding.
Amaranthus tricolor—Joseph's Coat.
Amaryllis formosissima—Jacobaean Amaranthus tricolor—Joseph's Coat. Amaryllis formosissima—Jacobaean Lily.
Amethyst—Browallia.
Ampelopsis—Virginio Creeper.
Ampelopsis Veitchii—Boston Ivy.
Anchusa—Sca Bugloss.
Anemone—Windflower. Anemone—Windhower.
Anthericum—St. Bruno's Lily.
Antirrhinum—Snapdragon.
Aquilegia—Columbine.
Arabis—Rock Cress.
Arctotis—African Daisy.
Aristolochia—Dutchman's Pipe.
Armeria—Sea Pink, Thrift.
Artemesia absynthium—Wornwood.
Asparagus Fern—Asparagus plumosus. sus,
Asperula—Waldmeister, Woodruff.
Baby's Breath—Gypsophila.
Baby Primrose—Primula Forbesi.
Bachelor's Button—Centaurea,
Gomphrena, Bellis.
Balloon Vine—Cardiospermum.
Balsam—Lady Slipper.
Balsam Apple—Momordica Balsamina. Balsam Apple—Monordica Balsamina.

Baptisia—False Indigo.
Barberry—Berberis.
Bashet of Gold—Alyssum saxatile.
Beard Tongue—Pentstemon.
Bee Balim—Monarda.
Bell Flower—Campanula.
Bell Flower—Campanula.
Belliflower Lily—Lilium canadense.
Bellis—Bachelor's Button, English Daisy.
Berberis—Barberry.
Bergamot—Monarda.
Bignonia—Trumpet Vine.
Black Eyed Susan—Thunbergia.
Blanket Flower—Galllardia.
Blazing Star—Liatris.
Bleeding Heart—Dielytra.
Blue Bottle—Centaurea cyanus.
Blue Bottle—Centaurea cyanus.
Bluets—Centaurea cyanus.
Bocconia—Plume Poppy.
Bottonia—False Chamomile.
Boston Ivy—Ampelopsis Veitchii.
Boxwood—Buxus.
Brachycome—Swan River Daisy.
Bridal Wreath—Spiraea prunifolia.
Briza—Quoking Grass.
Browallia—Amethyst.
Budleya—Butterfly Bush.
Bush Eschscholtzia—Hunnemannia.
Butterfly Bush—Buddleya.
Butterfly Flower—Schizanthus.
Butterfly Pea—Centrosema.
Butterfly Pea—Centrosema.
Butterfly Pea—Centrosema.
Butterfly Pea—Centrosema.
Butterfly Pea—Centrosema.
Cacalia—Tassel Flower.
Caladium—Elephant Ears.
Calendula—Pot Marigold.
Cacalia—Tassel Flower.
Caladium—Elephant Ears.
Calendula—Pot Marigold.
Callirhoe—Poppy Mallow.
Caycanthus—Sweet Shrub.
Campanula calyc.—Cup and Saucer.
Campanula carpatica—Hare Bell.
Campion—Lychnis.
Canna—Indian Shot. ina. Baptisia—False Indigo. Canarybird Flower—Tropaeolum-Canarybird Flower—Tropaeolum-Canariense.
Candytuft—Iberis.
Canna—Indian Shot.
Canterbury Bells—Campanula medium.
Cape Jessamine—Gardenia florida.
Cardinal Flower—Lobelio Cardinalis.
Castor Oil Beans—Ricinus.
Catchfly—Silene.
Catalpa—Umbrella Tree.
Centaurea cyanus—Bochelor's Button, Cornflower, Blue Bottle, Bheets, Ragged Sailor.
Centrosema—Butterfly Pea.
Celosia cristata—Cockscomb.
Cerastium—Snow in the Summer.

Cercis—Judas Tree.
Chinese Bell Flower—Platycodon.
Chinese Lantern Plant—Physalis.
Christmas Rose—Helleborus Niger.
Chrysanthemum frutescens—Marguerite, Paris Daisy.
Cigar Plant—Cuphea platycentra.
Clove Pinks—Dianthus plumarius,
Cockscomb—Celosia cristata.
Coix—Job's Tears.
Columbine—Aquilegia.
Cone Flower—Rudbeckia.
Convallaria—Lily of the Valley.
Convolvulus—Morning Glory.
Coral Lily—Lilium tenuifolium.
Cornflower—Centaurea cyanus.
Cornus florida—Dogwood.
Cowslip—Primula veris.
Crane's Bill—Geranium.
Crataegus—Hawthorn. Crane's Bill—Geranium.
Crataegus—Hawthorn.
Cup and Saucer—Campanula calyc.
Cuphea platycentra—Cigar plant.
Cypers—Vimbrella Plant.
Cypers Vine—Ipomea Quamoclit.
Cytisus—Golden Chain.
Daisy—Bellis pervennis.
Datura—Trumpet Flower.
Day Lily—Funkia, Hemerocallis.
Delphinium—Larkspur.
Dianthus barbatus—Sweet William.
Dianthus—Pinks.
Dianthus—Pinks.
Dianthus—Pinks.
Dielytra—Bleeding Heart.
Dictamnus—Gas Plant.
Digitalis—Foxglove.
Dimorphotheca—Orange Daisy.
Dogwood—Cornus florida.
Dolichos—Hyacinth Beans.
Doronicum—Leopard's Bane.
Dusty Miller—Centaureagymnocarpo.
Dusty Miller—Cineraria Maritima.
Dutchman's Pipe—Aristolochia.
Echinops—Globe Thistle.
Echinops—Globe Thistle.
Echinops—Globe Thistle.
Echinopsestis—Wild Cucumber.
Edelweiss—Gnaphalium.
Egyptan Lotus—Nelumbium.
Elephant Ears—Caladium.
English Daisy—Bellis.
Ernglish Primrose—Oenothera.
Ernglish Primrose—Oenothera.
Everlastings—Aeroclinium, Gomphrena, Helichrysum, Rhodanthe,
Xeranthemum.
Everlastings—Aeroclinium, Gomphrena, Helichrysum, Rhodanthe,
Xeranthemum.
Everlasting Pea—Lathyrus latifolius.
Exochorda grandiflora—Pearl Bush.
Fairy Lily—Zephyranthes.
False Chamomile—Boltonia.
False Dragon Head—Physostegia.
Forsythia—Golden Bell.
Fountain Grass—Pennisetum.
Flowering Maple—Abutilon.
Flowering Maple—Abutilon.
Flowering Tobacco—Nicotiana.
Forget-me-not—Myosotis.
Forsythia—Golden Bell.
Fountain Grass—Pennisetum.
Golden Boll-Forsythia.
Golde Dist—Alyssum saxatile.
Golden Boll-Forsythia.
Golden Chain—Cape Jessomine.
Gardenia florida—Cape Jessomine.
Golden Rod—Solidago.
Golden Chain—Cytisus.
Golden Chain—Cytisus.
Golden Rod—Solidago.
Golden Rod—Solidago.
Golden Rod—Solidago.
Golden Rod—Solidago.
Golden Rod—Solidago.
G flower. Helleborus niger—Christmas Rose. Helmet Flower—Aconitum. Hemerocallis—Day Lily.

MES OF POPULAR FLOWEI

Hesperis—Sweet Rocket, Rocket.

Houchera—Alum Root.

Hollyhocks—Althaea rosea.

Honnesty—Lunaria.

Hops—Humulus.

Hordeum—Squirrel Tail Grass.

Horn of Plenty—Datura cornucopia.

Hunnemannia—Bush Eschscholtzia.

Hyacinth Beans—Dolichos.

Ice Plant—Mesembryanthemum.

Indian Shot—Canna.

Ipomea noctifiona—Moonflower.

Ipomea Quamoclit—Cypress Vine.

Iacobæan Lily—Amaryllis formos.

Jacobæan—Senecio.

Iapan Pinks—Dianthus Heddewigii.

Jerusalem Cherry—Solanum capsicastrum.

Job's Tears—Coix.

Iudas Tree—Cercis.

Joseph's Coat—Amaranthus tricolor.

Kalmia latifolia—Mountain Laurel.

Kenilworth Ivy—Linaria cymbalaria.

Kochia—Mexican Fire Bush, Summer Cypress.

Kudzu Vine—Pueraria.

Lady's Ear Drop—Fuchsia.

Lady's Ear Drop—Fuchsia.

Lady's Ear Drop—Fuchsia.

Lady's Slipper—Balsam.

Lathyrus latifolius—Everlasting Pea.

Leadwort—Plumbago.

Leadwort—Plumbago.

Leadwort—Plumbago.

Leadwort—Plumbago.

Leadwort—Plumbago.

Leadwort—Plumbago.

Leadwort—Plumbago.

Leopard's Bane—Doronicum.

Liatris—Gay Feather.

Lilac—Syringa.

Lily of the Valley—Convallaria.

Lobelia cardinalis—Cardinal Flower.

Loose Strife—Lythrum.

Love Grove—Nemophila.

Love in a Mist—Nigella.

Love Lies Bleeding—Amaranthus

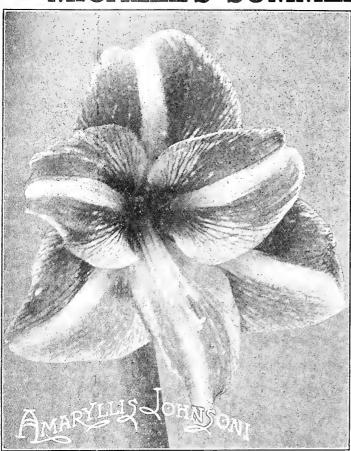
caudatus.

Linaria cymbalaria—Kenilworth Ivy.

Luffa—Cucumis acutanguhs. Love Lies Bleeding—Amaranama caudatus.
Linaria cymbalaria—Kenilworth Ivy.
Luffa—Cucumis acutangulus.
Lunaria—Honesty, Moonwort.
Lychnis—Campion.
Lychnis—Ragged Robin, Rose Cambion. pion.
Lythrum—Loose Strife.
Maiden Hair Fern—Adiantum.
Mallow—Hibiscus. Marguerite—Chrysanthemum frutescens.
Marigold—Tagetes.
Marshmallow—Hibiscus.
Marvel of Peru—Mirabilis.
Mathiola—Night Scented Stock.
Matricaria—Feverfew.
Meadow Rue—Thalictrum.
Mesembryanthemum—Ice Plant.
Mexican Fire Blant—Euphorbia.
Mexican Fire Plant—Euphorbia.
Michaelmas Daisy—Aster perennis.
Mignonette—Reseda.
Mimosa—Sensitive Plant.
Mimulus moschatus—Musk Plant.
Mirabilis—Four o'clocks, Marvel of Peru. Marguerite-Chrysanthemum frutes-Peru.
Mock Orange—Philadelphus.
Momordica Balsamina—Balsam Ap-Mock Orange—Philadelphus.
Momordica Balsamina—Balsam Apple.
Monarda—Bee Balm, Bergamot.
Monk's Hood—Aconitum.
Moonflower—Ipomea noctiflora.
Moonwort—Lunario.
Morning Glory—Convolvulus.
Moss Pink—Philos subulata.
Mountain Fringe—Adlumia.
Mountain Fringe—Adlumia.
Mountain Earnel—Kalmia latifolia.
Mourning Bride—Scabiosa.
Musa ensete—Abyssinian Banana.
Musa ensete—Abyssinian Banana.
Musa Plant—Minulus moschatus.
Myosotis—Forget-me-not.
Myrtle—Vinca minor.
Nelumbium—Egyptian Lotus.
Nyosotis—Forget-me-not.
Myrtle—Vinca minor.
Nelumbium—Egyptian Lotus.
Night Scented Stock—Mathiola.
Oenothera—Evening Tobacco.
Nigella—Love in a Mist.
Night Scented Stock—Mathiola.
Oenothera—Evening Primrose.
Orange Daisy—Dimorphotheca.
Ox-Eye—Adonis vernalis.
Painted Tongue—Salpiglossis.
Pampas Grass—Gynerium.
Paris Daisy—Chrysanthemum frutescens.
Passiflora—Passion Flower. Paris Daisy—Chrysanthemum frutescens.
Passiflora—Passion Flower.
Passiflora—Passion Flower.
Passion Flower—Passiflora.
Peach Bells—Campanula persicifolia.
Pearl Bush—Exochorda grandiflora.
Periwinkle—Vinca.
Phalaris—Gardener's Garters.
Phalaris—Gardener's Garters.
Phalaris—Ribbon Grass.
Phalaris—Adonis aestivalis.
Philadelphus—Mock Orange.
Phlox drummondii—Flome Flower.
Phlox subulata—Moss Pink.
Pincushion Flower—Scabiosa.
Pinks—Dianthus.
Platanus orientalis—Buttonwood.
Platycodom—Chinese Bell Flower.
Plumbago—Leadwort.
Plume Grass—Erianthus.

Plume Poppy—Bocconia.
Polyanthus—Primula elatior.
Poppy Mallow—Callirhoe.
Poppy—Papaver.
Pot Marigold—Calendula.
Pueraria—Kudzu Vine.
Pyrethrum aureum—Golden Feather.
Ouaking Grass—Brizo.
Rag Gourd—Cucumis acutangulus.
Ragged Robim—Lychnis.
Ragged Sailor—Centaureo cyanus.
Red Bud—Cercis canadensis.
Red Hot Poker Plant—Tritoma.
Reed—Arundo donax.
Reseda—Mignonette.
Rhodanthe—Everlastings.
Ribbon Grass—Phalaris.
Rock Cress—Arabis.
Rock Cress—Arabis.
Rock Cress—Arabis.
Rock Cress—Arabis.
Rock Compion—Agrostenma.
Rose Campion—Agrostenma.
Rose Campion—Agrostenma.
Rose Campion—Althaea.
Rudbeckia—Cone Flower.
Sago Palm—Cycas.
Salpiglossis—Painted Tongue.
Salvia splendens—Scarlet Sage.
Saponaria—Soapwort.
Satin Flower—Godetia.
Scabiosa—Mincushion Flower.
Scarlet Sage—Salvia splendens.
Schizanthus—Butterfly Flower.
Sea Bugloss—Anchusa.
Sea Lavender—Statice.
Sea Holly—Eryngium.
Sea Pink—Armeria.
Sedum—Stonecrop.
Senecio—Jacobaea.
Sensitive Plant—Mimosa.
Silene—Catchfly.
Silk Oak—Grevillea.
Snapdragon—Antirrhinum.
Snowberry—Symphoricarpus.
Snow in the Summer—Cerastium.
Snowberry—Symphoricarpus.
Snow in the Summer—Cerastium.
Snowort—Saponaria.
Soapwort—Saponaria.
Soapwort—Saponaria. Plume Poppy—Bocconia.
Polyanthus—Primula elatior.
Poppy Mallow—Callirhoe.
Poppy—Papaver. Solanum capsicastrum— Jerusalem Cherry,
Solidago—Golden Rod.
Speedwell—Veronica.
Spider Plant—Cleome.
Squirrel Tail Grass—Hordeum.
Star of Bethlehem—Ornithogalum.
Statice—Sea Lavender.
St. Bruno's Lily—Anthericum.
St. John's Wort—Hypericum.
Stonecrop—Sedum.
Stipa—Feather Grass.
Stocks—Gilliflower.
Stocks—Gilliflower.
Stokesia—Cornflower Aster.
Strawflower—Helichrysum.
Summer Cypress—Kochia.
Sunflower—Helianthus.
Symphoricarpus—Snowberry. Solanum capsicastrum- Jerusalem Strawflower—Helichrysum.
Summer Cypress—Kochia.
Summer Cypress—Kochia.
Sunflower—Helianthus.
Symphoricarpus—Snowberry.
Syringa—Liloc.
Swan River Daisy—Brachycome.
Sweet Pepper Bush—Chletra.
Sweet Pepper Bush—Chletra.
Sweet Sultan—Centaurea moschata.
Sweet Sultan—Centaurea moschata.
Sweet Sultan—Centaurea moschata.
Tagetes—Marigold.
Tassel Flower—Cacalia.
Thrift—Armerica.
Thunbergia—Black Eyed Susan.
Tobacco—Nicotiana.
Transvaal Daisy—Gerbera.
Trillium—Wake Robin, Wood Lily.
Tritoma—Red Hot Poker.
Trumpet Flower—Datura.
Trumpet Flower—Datura.
Trumpet Flower—Datura.
Trumpet Vine—Bignonia.
Tufted Pansies—Viola cornuto.
Turk's Cap Lily—Lilium superbum.
Valeriana—Gorden Heliotrope.
Viburnum—Snowball.
Vinca—Periwinkle.
Viola cornuta—Tufted Pansies.
Virgin's Bower—Clematis.
Virgin's Bower—Clematis.
Virgin's Bower—Clematis.
Virgin's Creeper—Ampelopsis quinquefolia.
Umbrella Plant—Cyperus.
Umbrella Plant—Cyperus.
Wallflower—Cheirranthus.
Walke Robin—Trillium.
Wold Lily—Trillium.
Wold Lily—Trillium.
Wood Fern—Aspidium.
Wood Fern—Aspidium.
Woodruf—Asperula.
Wormwood—Artemisia absynthium.
Xeranthemum—Everlostings.
Yarrow—Achillea.
Youth and Old Age—Zinnia,
Yucca—Adam's Needle.
Zebra Grass—Eulalia,
Zepbyranthes—Fairy Lily.

112 MICHELL'S SUMMER FLOWERING BULBS



For a practical showy house plant there is nothing of easier culture than these gorgeous lily-like flowers. Once potted they can remain in the same pot for years; increasing each year the number of flowers.

Cultural Directions: Place bulbs, on arrival, in damp moss in temperature of 60° and allow the flowering shoot to appear before the bulb is potted. When the plant is in progress of blooming water freely, other times sparingly.

Belladonna. A beautiful bright pink. 15c. each; doz., \$1.50. Formosissima. Crimson. 10c. each; per doz., \$1.00. Hybrids of Vittata. Beautiful species, flowers striped and

flaked. 50c. each; per doz., \$5.00.

Johnsoni. A very large crimson sort, striped white. This variety is the best of the every day sorts, the flower is very large and showy. Every collection of Amaryllis should include this one. Mammoth bulbs. 50c. each; per doz., \$5.00. Good size bulbs, 35c. each; per doz., \$3.50.

SMALL AMARYLLIS ZEPHYRANTHES (See Page 114)

ANEMONES (Wind Flowers) (Bulbs)

A splendid flowering bulb, perfectly hardy, prefers a moist, shaded location; plant outdoors in clumps as soon as the ground can be worked.

CORONADIA OD BODDY ELOWEDING TYDES

CORUNARIA OR FOFFI FLOWER	$\mathbf{u}_{\mathbf{u}}$		LO
Each	Doz.	100	1000
	\$0.20	\$1.25	\$10,00
" Blue	.20	1.25	ĭ0.00
" White (The Bride)	.20	1.00	7.50
" Mixed, all colors	.20		7.50
Double Mixed, all colors	.25	1.50	12.00
Anemone, St. Brigid (Semi Double). A gi	ant flo	owering	g type,
magnificent blooms, often 5 inches across, o	f the	richest	colors,
covering maroon, scarlet, blood red, old ro	se, pii	nk, blu	e, pur-
ple, mauve, yellow, cream white. Mixed	Color	s. 4c.	each;
doz., 35c.; \$2.25 per 100; per 1000, \$20.00.			
Anemone, Fulgens (Single). Dazzling scar	let flo	wers.	Each,

4c.; 3oc. per doz.; per 100, \$2.00; \$17.50 per 1000.

NEW FRINGED BEGONIA CRISPA

The edge of each flower petal is exquisitely frilled and crested, giving unto the flower a charming appearance. The illustration below, which was made from an actual bloom, will

convey some idea of its beauty. Every one who grows Tuberous Begonias should plant some of this variety.

Mixed Colors (Single). 12c. each; doz., \$1.20; \$8.50 per 100.

Separate Colors (Single). 15c. each; doz., \$1.50; \$10.00 per 100.

Double Fringed. Mixed all colors. 20c. each; doz., \$1.75; \$12.50 per 100.

BEGONIAS (Tuberous Rooted)

There hardly is a single garden in which there are semi or entirely shaded spots where the average flower will not grow; such places are ideal for this flower; yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninter-ruptedly from June till frost. The bright flowers contrast well with the deep-colored foliage. The bulbs must be lifted in the fall. Plant bulbs outdoors about May 1st.

SINGLE VARIETIES

Ε.	ach	Doz.	100	Each	Doz.	10 0
Crimson	ioc.	\$0.75	\$5.00	Scarlet	\$0.75	\$5.00
Orange	IOC.	.75	5.00	White10c.	75	5.00
Pink	oc.	-75	5.00	Yellow	.75	5.00
Mixed				7c.	.60	4.50

DOUBLE VARIETIES

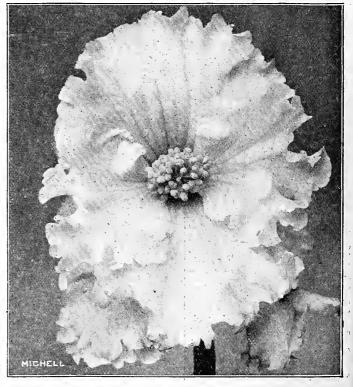
Eac	ch	Doz	100
In separate colors as above\$0.	15	\$1.25	\$8.00
Mixed, all colors	12	T 20	8 00

NAMED VARIETIES

Lafayette. Brilliant crimson\$0.20	\$2.00	\$15.00
Graf Zeppelin. Double; vermilion15	1.50	11.00
Bertini. Brilliant vermilion; single 15	1.50	11.00
Cardinal. Rich cardinal red	2.25	15.00
Phosphorescent. Brilliant scarlet25	2.25	15.00

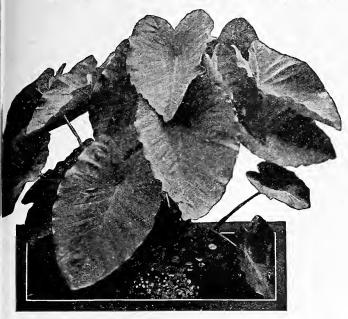
CRISTATA (New)

Beautifully crested single flowers. Red, orange, rose, white, yellow separate. 15c. each; doz., \$1.50; \$10.00 per 100.



New Tuberous Begonia, Crispa Type

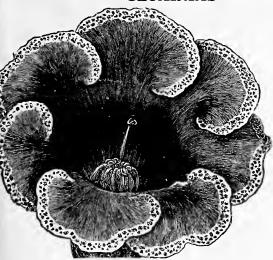
MICHELL'S SUMMER FLOWERING AND DECORATIVE BULBS 113



CALADIUM ESCULENTUM (Elephant's Ear)

As centre pieces or specimens in flower beds Caladiums answer well. They also make an excellent edging for tall growing plants. When planted in a bed alone, a border of Scarlet Sage makes a beautiful contrast. Do not plant Caladiums outdoors until after May 1st, but to get them in early growth, they may be started indoors. If wanted by mail add

I	Each	Doz.		each bulb postage				
Monster Bulbs\$	0.30	\$3.25	\$20.00	\$0.05				
Mammoth Bulbs				.04				
First Size Bulbs	.10	I.Io	8.00	.03				
Second Size Bulbs	.07	.75	5.00	.02				
GLOXINIAS								



ous plant either for conservatory or gar-den. They prefer a moist soil and a shady situation. Bulbs may be started as early as January but should not be set outdoors until after May 15th. Bulbs must be lifted in the fa11.

A gorge-

Illustration of a Gloxinia Flower

	Eacn	Doz.	100
Cattieya. Orchid pink	\$0.20	\$2.00	\$15.00
Defiance. Brilliant scarlet		2.00	15.00
Emperor William. Ultramarine blue	.20	2.00	15.00
King of Reds. Bright crimson		2.00	15.00
Graf Zeppelin. Carmine, fringed			
Unnamed varieties in the following colors			
White, Blue, White Spotted Scarlet,	Scarle	et Bo	rdered
White, Blue Bordered White. 15c. eac	h; per	· doz.,	\$1.25;
\$8.00 per 100.			
1			

Mixed Colors, 12c. each; per doz., \$1.25; \$8.00 per 100. Single bulbs mailed free; for dozen lots add ioc. for postage.

FANCY LEAVED CALADIUMS

(Ready in January)

Most charming conservatory plants. Being of tropical nature, they like a warm temperature. They do quite well outdoors during the summer, if planted in a sheltered, shaded place. The foliage covers a wide range of colors, and makes a grand display. The bulbs should be started in moss with plenty of bottom heat.

Charles Simpson. Bluish green, spotted red creamy white ribs.

Coimbra. White suffused green, red veins and ribs.

Frances M. Laughlin. Transparent rose centre, yellowish zone, green border.

Jacupiranga. Transparent white with green veins. Jupiter. Red centre, green

Fancy Leaved Caladium border, spotted white. Leopold Robert. Deep red crimson ribs, green border. Lord Derby. Rose, green ribs and veins.

Macache. Variable, green suffused pink, with red ribs.

Prince Albert Edward. Red, suffused pink, narrow green border.

Putomayo. Pink, spotted strawberry red.
Shellpink. Centre shell pink, deep red veins, grayish white border.

Silver Queen. Pure white.

Any of the above named sorts, 25c. each; doz., \$2.50; 100. \$17.50. For plants of Fancy Leaved Caladiums see page 131.

CALLAS

Elliottiana (Yel-This low-Calla). beautiful novelty should be extensively planted. The contrast of the golden yellow flowers placed among other blooms and foliage is truly remarkable, making a beautiful sight. The spotted foliage shows the flower off, when using it as a pot plant, to a great effect. In a short time this new variety will be wonderfully popular on account of its beauty and of its low price. 20c. each; doz., \$2.00; \$15.00 per 100.



Calla Elliottiana

Black Callas (Stock unobtainable this season)...... Spotted Callas

The above Callas make very useful summer blooming plants, the spotted variety may be treated somewhat like the white, winter blooming kind; the Black variety requires very little water until fully started.

Single bulbs of Callas postpaid; if dozen lots are wanted by mail, add 10c. for postage.

CANNAS. (See pages 115-117)

MICHELL'S SUMMER FLOWERING AND DECORATIVE BULBS

SUMMER HYACINTH

(Hyacinthus Candicans)

These are especially attractive, when planted in masses in solid beds or borders. In July and August they produce spikes about 2 feet long, which are covered with bell-shaped white flowers. They remain in bloom a long while and for that reason should be planted extensively. The bulbs should be taken up at the approach of winter and stored in a cool cellar. Large bulbs, 5c. each; doz., 5oc.; \$3.50 per 100. Parcel Post Weight, 2 lbs. per doz.

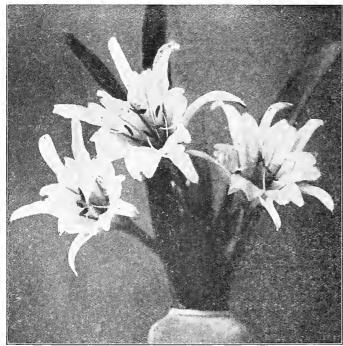
CYCAS REVOLUTA

(Sago Palm)

These interesting as well as ornamental plants may be grown from the dormant (leafless) trunk or stem with great success. Fine strong, dormant stems, ready about March 1st. 15c. lb.; 5 lbs., 65c. Allow for postage if wanted by mail.



Summer Myacinth



ISMENE CALATHINA (Pancratium Lily or Peruvian Daffodil)

One of the choicest of our summer flowering bulbs, blooming profusely during the summer, flowers a beautiful waxy white and deliciously fragrant. Bulbs are not hardy and should be removed to the house in October. If desired, they can be flowered indoors by starting the bulbs about January 1st and treating somewhat like an Amaryllis. Large bulbs, 15c. each; doz., \$1.50; \$10.00 per 100. Parcel Post Weight, 2 lbs. per doz.

FERN BALLS (Dormant)

A very attractive novelty. Full cultural directions accompany each ball if asked for. Extra large size, 5oc. each; per doz., \$5.00. **Medium** size, 40c. each; doz., \$4.00.

LILY OF THE VALLEY

Clumps. For outdoors only. 25c. each; doz., \$2.75; 100, \$20.00. Cold Storage, Michell's Fancy Giant Flowering. The finest procurable. These can be forced into flower in about 22 days; our stock is extra fine. 50 for \$2.00; \$3.50 per 100; 250 for \$7.50.

(Cold storage Lily of the Valley, not supplied in quantities

less than 50.)

OXALIS (Summer Blooming)

White. Dennii. small flowers. 2c. each; doz., 15c.; 100, \$1.00.

Lasiandra. Pink flowers. 2c. each; doz., 15c.; \$1.00 per

MONTBRETIA

A beautiful flowering bulb resembling a miniature Gladi-oli, absolutely hardy, and only effective if planted in masses from 50 to 100 bulbs in a clump. They are fine for cutting, being very showy, the orange scarlet and yellow shades being especially attractive. Height, 24 inches.



Montbretia

Crocosmiaeflora Type. Scarlet and yellow. Aurantiaca. Deep golden yellow.

Etoile de Feu. Vermilion with yellow centre.

Germania. Orange scarlet. 5c. each; doz., 5oc.; \$2.50 per 100; per 1000, \$20.00.

Pottsii. Large, orange scarlet. Speciosa. Golden yellow.

Rayon d'Or. Light yellow, spotted brown.

Any of the above (except where noted) 3c. each; doz., 3oc.; 100, \$2.25; 1000, \$17.50.

DOUBLE RANUNCULUS (Buttercups)

An attractive flower resembling a giant double buttercup or small double poppy. They should be grown in pots indoors for winter blooming or in frames outdoors for early spring flowering. They may also be planted outdoors in April in a shaded place (moist pre-ferred), then blooming in June. They cover every shade of crimson, white, purple and yellow; height, 12 inches.

Mixed Colors. 2c. each; doz., 15c.; \$1.00 per 100; 1000, \$7.00.

TUBEROSES

Beautiful pure white flowers appearing in August, of wonderful fragrance.

Double Pearl. Pure white. 3c. each;

doz., 30c.; 100, \$1.75.

Double Pearl. Mammoth bu each; doz., 50c.; \$3.00 per 100. Mammoth bulbs, 5c. Albino. Single white. 5c. each; doz., 5oc.; \$2.50 per 100.

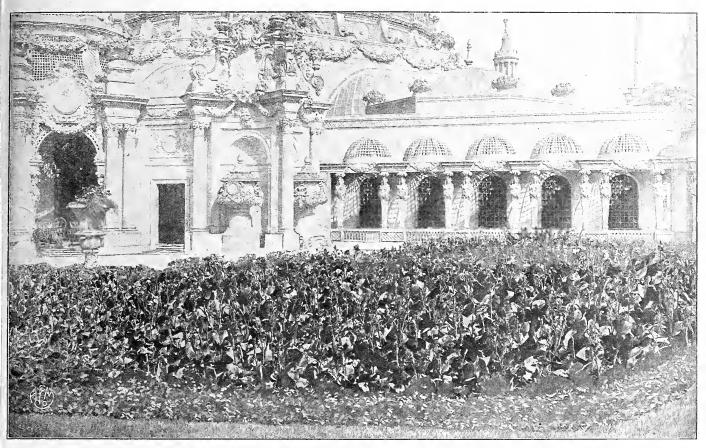
Single bulbs mailed free, add toc. per doz. for mailing larger quantities.



Pearl Tuberose

ZEPHYRANTHES (Fairy Lily)

A splendid pot plant for winter, of easiest culture. Planted outdoors in May, they flower the entire season. Each Doz. Treatea Rosea. Pink flowers (Per 100, \$4.50) \$0.60 Treatea Alba. White flowers (Per 100, \$4.50) .06 .60



Michell's Cannas around the Building of Horticulture at the Panama-Pacific Exposition, San Francisco, 1915, where the Display was awarded a Silver Medal by the Judges of Horticultural Displays.

MICHELL'S CHOICE CANNAS (NEWER VARIETIES AND)

We make a specialty of growing cannas at our nurseries, Andalusia, Pa., where acres of them are a blaze of color throughout the summer. In ordering please state if plants or roots are wanted. If order does not so state we will send roots as long as our stock permits. Canna plants are ready in May.

Please Note. The heights as given for Canna Plants are as they average in our nurseries. This height may vary; depending on soil, weather and climatic conditions.

Dr. E. Ackerknecht. Deep carmine of a distinct shade, with light bronzy foliage; height, 4½ feet. Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Strong plants ready in May, 30c. each; doz., \$2.75; \$20.00 per 100.

Eureka. One of the best of the newer introductions. It is of robust growth, about 4 feet high, and is a most prolific bloomer. The flowers, which are of an immense size, are of creamy white color, changing to pure white. Roots, 4oc. each; doz., \$4.00; \$30.00 per 100. Strong plants ready May 1st, 5oc. each; doz., \$5.00; \$40.00 per 100.

Firebird This is in every respect one of the best red flowered, green-leaved Cannas. The petals measure 2½ inches and more across; the color is a brilliant scarlet, without any spots. Roots, 50c. each; doz., \$5.00; \$40.00 per 100. Strong plants ready May 1st, 60c. each; doz., \$6.00; \$45.00 per 100.

General Merkel. Blooms with remarkable freedom throughout the summer. The flowers are a remarkable combination, being bright scarlet with a blending of orange, splashed golden yellow at the edge of the petals. Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Plants ready in May, 25c. each; doz., \$2.75; \$20.00 per 100.

Gustave Gumpper. A rich golden yellow flower of large size, borne on heavy trusses. It is a distinct shade, and no other variety of this color can be compared with it. Green foliage; height, 3½ to 4 feet. Roots, 2oc. each; doz., \$2.00; \$15.00 per 100. Strong plants ready after May 1st, 25c. each; doz., \$2.75; \$20.00 per 100.

Harry Laing. Beautiful rich scarlet flowers, suffused orange, a startler for color and one that will appeal to canna lovers. Green foliage growing 5 feet. Roots, 25c. each; doz., \$2.50; \$17.50 per 100. Plants ready in May, 30c. each; doz., \$3.00; \$22.50 per 100.

Kate F. Deemer. The flowers, when first open, are yellow, which changes as it ages, so that the lower petals and the throat are red, the balance of the flower assumes a light shade almost white; this variety is one that should be in every collection; green foliage; height, 4 to 5 feet. Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Plants ready in May, 25c. each; doz., \$2.75; \$20.00 per 100.

Louis Reverchon. A dark leaved large flowering cochinealred variety. It is very free flowering and will immediately win favor with Canna growers; height, 4½ feet. Roots, 20c. each; doz., \$2.00; \$12.00 per 100. Strong plants ready May 1st, 25c. each; doz., \$2.75; \$20.00 per 100. See pages 116 and 117 for other varieties Cannas.

MICHELL'S CHOICE CANNAS Newer Varieties and Those of Special Merit (Continued)

Maros. A splendid white flowering variety. The flowers, which are creamy white, are produced in great profusion; green foliage; 3½ to 4 ft. high. Roots, 25c. each; doz., \$2.50; \$17.50 per 100. Strong plants (ready in May), 30c. each; doz., \$3.25; per 100. \$22.50.

Meteor. Of compact growth; broad green foliage, surmounted with large heads of bright red flowers; grows about 4½ feet high. Roots, 25c. each; doz., \$2.50; \$17.50 per 100. Strong plants ready in May, 30c. each; doz., \$3.00; \$22.50 per 100. Mrs. Alfred F. Conard. The greatest achievement in the line

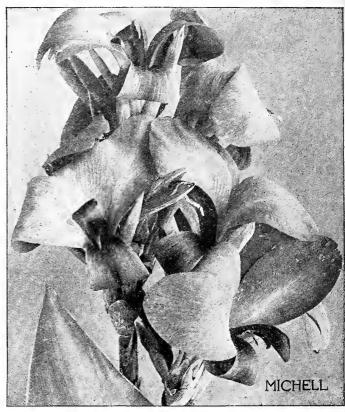
Mrs. Alfred F. Conard. The greatest achievement in the line of cannas of the modern age. The gigantic flowers, which are borne in immense clusters on stalks often 5 and 6 feet tall, are of a delightful salmon pink, a shade which becomes more brilliant as the flower develops and which has never before been approached in cannas. The foliage is light green and grows almost to the flower, presenting a splendid contrast. Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Strong plants ready after May 1st, 30c. each; doz., \$2.75; \$20.00 per 100.

Panama. A combination of color that is odd yet beautiful; the face of the petals, which is orange red, are encircled with a broad edge of golden yellow. It is a free bloomer and of gigantic size; green foliage; 3½ feet. Roots, 35c. each; doz., \$3.50. Plants ready in May, 40c. each; doz., \$4.00.

Pink Beauty of Hungaria. The plant habit is rather dwarf and of compact growth. The magnificent trusses of rich peach blossom pink are the finest imaginable. It is a free, early and continuous bloomer, lasting right up to November in the latitude of Philadelphia. The shade is one that will immediately arrest the eye and really must be seen to be appreciated. A large block of these, growing at our nurseries the past summer, caused great excitement. Every one who saw them, stood in bewilderment at their marvelous richness and beauty. The foliage is a rich green and very massive. Our stock is limited and we advise all, who want the finest pink, large-flowering Canna in existence, to order at once. Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Strong plants ready after May 1st, 30c. each; doz., \$2.75; \$20.00 per 100.



New Canna, "Pink Beauty of Hungaria"



Canna, "Mrs. Alfred F. Conard"

Rosea Gigantea. A wonderful novelty, the largest of all cannas in existence; color, a rich rose pink; flowers free, foliage green; height, 4 feet. Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Strong plants ready after May 1st, 30c. each; doz., \$2.75; \$20.00 per 100.

Venus. Rosy pink with a mottled border of creamy yellow; flowers abundantly with heads erect; foliage green; height, 4 feet. Roots, 15c. each; doz., \$1.50; \$10.00 per 100. Strong plants ready after May 1st, 25c. each; doz., \$2.00; 100, \$15.00.

Wm. Griessinger. Rich yellow with dots of bright red, a beautiful variety and a great improvement in this combination of colors. Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Plants ready in May, 30c. each; doz., \$2.75; \$20.00 per 100.

Wyoming. Deep bronze foliage, with large flower heads of a beautiful orange shade. This variety rivals with King Humbert; height about 4 feet. Roots, 15c. each; doz., \$1.25; \$8.00 per 100. Strong plants ready May 1st, 25c. each; doz., \$2.00; \$15.00 per 100.

SPECIAL NOTE.—Unless otherwise ordered Cannas will be furnished in roots as far as possible. When roots are exhausted we will supply plants after May 1st (at the prices quoted for plants). If Canna Roots are wanted by parcel post, add 10c. per doz. for mailing charges; plants travel best by express.

MICHELL'S CHOICE CANNAS (Continued)

See also pages 115 and 116 for Newest Cannas and varieties of special merit.



Canna, Richard Wallace

ORANGE, RED AND CRIMSON

Alphonse Bouvier. Rich velvety red; green foliage; 6 feet high.

Brandywine. Very dark foliage, topped with a magnificent display of brilliant red flowers; bronze foliage; 4 ft. high. Charles Henderson. Splendid, handsome trusses of large

size; extremely free flowering; green foliage; 4 feet high.

Crimson Bedder. Dark red, fine shapely flowers in large trusses; green foliage; 4 feet high.

Dr. E. Ackerknecht. Deep carmine. See page 115. Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Plants ready in May. 30c. each; doz., \$2.75; \$20.00 per 100.

Egandale. A splendid bronze-leaved variety, with large cherry red flowers; bronze foliage; 4 feet high.

Express. One of the most satisfactory dwarf crimson cannas; a continuous bloomer; green foliage; 21/2 feet high.

Firebird. Brilliant scarlet; green-leaved; see page 115 for full description. Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Strong plants (ready May 1st), 30c. each; doz. \$2.75; \$20.00 per 100. Harry Laing. Rich scarlet, suffused orange. See page 115. Roots, 25c. each; doz., \$2.50; \$17.50 per 100. Plants ready in

May. 30c. each; doz., \$2.75; \$20.00 per 100.

King Humbert. Truly a king among the cannas, its majestic growth is doubly enhanced by a massive coppery scarlet flower and the broad deep bronze foliage. It grows 4 feet high and is splendid either as a centre, edged with a dwarf yellow canna or vice versa, placing it around a centre of a tall yellow variety. Roots, 15c. each; doz., \$1.25; \$9.00 per 100. Plants, 25c. each; doz., \$2.00; \$15.00 per 100.

Louis Reverchon. Cochineal red. See page 117.

Meteor. Bright red; immense flower trusses. See page 117. President McKinley. Brilliant crimson flowers; beautifully formed; deep green foliage; 3 feet high.

Wm. Saunders. Bright scarlet; bronze foliage; 4 feet high. Wyoming. Orange red; bronze foliage. See page 116.

YELLOW AND WHITE SHADES

Pale sulphur, changing to cream; green foliage. Alsace. Austria. A tall-growing variety with gigantic blooms of a satiny texture, pure golden yellow; 6 feet high; foliage green. Eureka. Cream white, changing to pure white. See page 115.
Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Strong plants

(ready May 1st), 3oc. each; doz., \$2.75; \$20.00 per 100.

Maros. Cream white; extra fine variety. See page 115. Roots,

20c. each; doz., \$2.00; \$15.00 per 100. Strong plants, 30c. each;

doz., \$2.75; \$20.00 per 100.

Mont Blanc. Creamy white. Shows off to great advantage when used as a centre plant; green foliage; height, about 4 feet.

Richard Wallace. A remarkably free bloomer, producing gi-gantic clusters of light yellow flowers. It stands quite erect, about 4 feet high; green foliage.

PINK

Hiawatha. Rich rosy pink; variegated foliage; 3 feet high. Hungaria. Rich peach blossom pink. Large trusses; green foliage; 3 feet. Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Plants ready in May. 25c. each; doz., \$2.75; \$20.00 per 100. Minnehaha. Very light pink, shaded peach; foliage green; 4 feet.

Mrs. Alfred F. Conard (New). A beautiful salmon pink; foliage green; 5 to 6 feet. Roots, 20c. each; doz., \$2.00; per 100, \$15.00. Plants ready in May. 25c. each; doz., \$2.75; \$20.00 per 100.

Rosea Gigantea (New). Rich rose pink; green foliage; 4 feet high. Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Plants ready in May. 25c. each; doz., \$2.75; \$20.00 per 100.

Secretary Chabanne. Bright salmon pink; green foliage; 31/2 feet. Venus. Rosy pink with mottled border of creamy yellow; free bloomer; green foliage; 4 feet high. Roots, 15c. each; doz., \$1.50; \$10.00 per 100.

BICOLORED

Pure golden yellow, with two tongue-like petals of

fiery red; green foliage; 4 feet high.

Eldorado Rich yellow, flamed red; green foliage; 4 feet high.

Florence Vaughan. Yellow, spotted crimson; green foliage; 5 feet high.

Gen'l Merkel. Bright scarlet, splashed yellow. See page 115.

Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Plants ready in May. 25c. each; doz., \$2.75; \$20.00 per 100.

Gladiator. Yellow, spotted red; green foliage; 4 feet high.

Gladio-Flora (New). Resembles a Gladiolus flower. A vivid crimson, changing to carmine pink, edged yellow; green foliage; 3 feet high.

alia. Golden blotched crimson, orchid type; green foliage;

Italia. 5 feet high.

Kate F. Deemer. Yellow, marked red. See page 115. Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Plants ready in May. 25c. each; doz., \$2.75; \$20.00 per 100.

Mme. Crozy. Scarlet, bordered yellow; green foliage; 3 feet. Niagara. Rich crimson, edged gold; green foliage; 3 feet high. Panama. Red, edged yellow. See page 116. Roots, 35c. each; doz., \$3.50. Plants ready in May. 40c. each; doz., \$4.00. Queen Charlotte. Crimson, bordered gold; green foliage; 3

feet high. Wm. Griessinger. Rich yellow, spotted red. See page 116. Roots, 20c. each; doz., \$2.00; \$15.00 per 100. Plants, 30c. each; doz., \$2.75; \$20.00 per 100.

ORNAMENTAL FOLIAGE CANNAS

Black Beauty (Improved). Effective. The leaves are enormous and of a rich deep bronze purple color. Height, 6 feet. Musafolia. Named by its close resemblance to the old-fash-ioned Abyssinian Banana (Musa Ensete).

Robusta Perfecta. Immense dark green leaves with small red flowers; height, 7 feet. Each, 8c.; 75c. doz.; 100, \$5.00.

CANNAS IN MIXTURE

Mixed Dwarf French. Containing the best sorts only. Each, 5c.; 5oc. per doz.; per 100, \$3.50.

Tall Sorts Mixed. Elegant varieties are included in this

mixture. Each, 5c.; 5oc. per doz.; per 100, \$3.50.

NOTE OF PRICES.—The above (except as noted) prices are for dormant roots in strong divisions of two and three eyes. After May 1st our stock of roots is usually sold, at which time we can fill orders with well-developed plants of any variety on this page (except where noted). Price of roots (except where noted), 15c. each; doz., \$1.25; \$8.00 per 100. Strong plants 25c. each; doz., \$2.00; \$15.00 per 100. If Canna Roots are wanted by mail, allow 10c. per doz. for postage. Canna Plants travel best by express.

PLEASE READ THIS

Our list this season has been thoroughly revised, many of the older varieties of Dahlias have been omitted and superseded by others that are much superior, in fact, our offering contains many sorts, not found elsewhere in this country. Where plants are offered these will be ready early in May, during which month they may be set out, although they are planted with great success all during June and July, and will give splendid results. The natural season for the Dahlia to be at its best is during September and October, in fact, effort to get superior blooms before that time should not be attempted. Dahlias like cool, moist nights which do not exist in July and August. To get large flowers the plants should be disbudded during June and July, while the August buds should be allowed to develop one on a stem. Don't fertilize Dahlias much until the bloom begins to develop.

Practically all Dahlias offered by us are now grown in our own nurseries, Andalusia, Pa., where the soil is well adapted to their best development. Change in Catalog Arrangement:—Other seasons we arranged each class in alphabetical order under color; as there are so many sorts to choose from, this was sometimes cumbersome; the arrangement of colors under their respective headings and every variety in that color regardless of type as listed this year, we think will be more convenient, the varieties are arranged alphabetically under the different colors and the type follows immediately thereafter.

CULTURAL DIRECTIONS FOR DAHLIAS

While Dahlias will sometimes succeed even under adverse conditions, it will amply repay you with larger and better flowers, if you follow the following instructions. There is no plant that more highly appreciates good treatment. Do not select rich, deep, heavy soil, on which to plant your Dahlias. They need light soil with good drainage. Heavy soil will usually produce an abundance of foliage and few or inferior flowers.

Spade or plow the ground to a depth of about 8 inches. As a fertilizer us either well rotted Stable Manure or better still, Sheep Manure, which should be well mixed with the soil. When the soil is properly prepared, dig a hole, 6 inches deep, in which to plant the Dahlias. The bulbs should be *laid down flat* and covered to depth of 4 inches. Every Dahlia should have from $2\frac{1}{2}$ to 3 feet space and at least 4 feet between the rows. From April 15th to July 15th is the best time to set out Dahlias.

As soon as the plants are a foot above the ground, they should be tied to the stake. The best material for this purpose is Raffia or Raffia tape.

Keep the ground well cultivated and free from weeds. A frequent stirring of the surface is very beneficial. An application of Sheep Manure and Bone Meal about every two weeks will be of greatest benefit.

Never leave more than one or two stalks in a hill. You will have better plants and larger flowers if you will allow only one sprout to grow.

If plants are set out, practically the same treatment applies, but the planting should better be delayed until the latter part of May. Plants produce, as a rule, less leaf growth and more flowers.

After the frost has killed the foliage, lift the clumps with a spade or fork and allow them to dry in the sun for about $\frac{1}{2}$ day. They should then be stored in a cool cellar, but free from frost. Cover the clumps with peat or soil, to keep the air from them and thus prevent them from shriveling up during winter.

MICHELL

RED SHADES

Apple Blossom (Single). Most delicate, lovely, appleblossom pink, tipped carmine red. *Plants only*. 20c. each; doz., \$2.00; \$15.00 per 100.

Aristed Gurtler (Cactus). Orange, suffused scarlet, darker to-

ward centre, very narrow petals. 25c. each; doz., \$2.5o.

Augusta Nonin (Decorative). A large, superb, clear scarlet flower, which is borne on long, stiff, erect stems. 20c. each; doz., \$2.00; \$15.00 per 100.

Australian (Cactus). Brilliant rich purple, suffused bright

crimson. 30c. each; doz., \$3.00.

Brisbane (Cactus). A large and striking variety with hard upright stems; of beautiful form; bright orange scarlet. 35c. each; doz., \$3.50.

Comte de Lambert (Cactus). A rich carmine-red, and one of the most constant, free-flowering and reliable of all Dahlias.

25c. each; doz., \$2.50.

Comte de Nodler (Collarette). Deep purple garnet, with yellow centre; collar rays yellow, shaded white at tips. 25c. each; doz., \$2.50.

Chatenay (Paeony) (A). A splendid soft carmine-rose shaded crimson with long, stiff stems. 35c. each; doz., \$3.5o.

Crimson Giant (Dec.). The richest glowing crimson Dahlia in

existence; immense flowers and a free bloomer. 20c. each; doz., \$2.00; \$15.00 per 100.

Darkness (Pompon). Deep velvety maroon, almost black. 20c. each; doz., \$1.50; \$10.00 per 100.

Duchess Melzi d'Eril (Collarette). Orange-scarlet, suffused bright vermilion. Collar petals mottled blush white, violet and red. Plants only. 25c. each; doz., \$2.5o.

Easton (Decorative). While not a large flower, this variety has

remarkable free flowering habit; the blooms are of a brilliant oriental red. 25c. each; doz., \$2.50.

Fernand Olivet (Cactus). A flower of exceptional color, which

is both distinct and beautiful, being deep maroon, shaded scarlet, black centre, very free. 25c. each; doz., \$2.50.

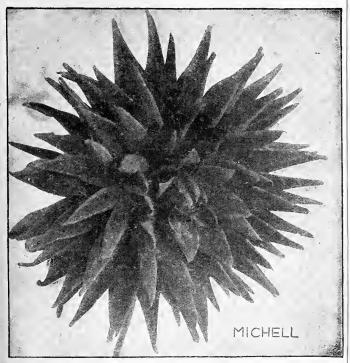
Floradora (Cactus). Flowers of immense proportions with claw

like petals incurved towards centre; color a distinct blood red; very free flowering. 20c. each; doz., \$2.00; \$15.00 per 100.

Frank Smith (Show). Rich dark purple maroon; tipped pinkish

white. 20c. each; doz., \$2.00; \$15.00 per 100.

Freibeuter (Decorative). Brilliant Scarlet; one of the best decorative Dahlias; a free, continuous bloomer. 35c. each; doz., \$3.50.



Cactus Dahlia, "Rene Cayeux"



Decorative Dahlia, "Souvenir de Gustave Douzan"

RED SHADES (Continued)

Fringed Century. Bright rosy crimson, with fringed petals. Plants only. 20c. each; doz., \$2.00; \$15.00 per 100.

F. W. Fellows (Cactus). Flowers are of an immense size, composed of long, narrow, orange red petals; free bloomer. One of the best new introductions. 75c. each; doz., \$7.50.

Gayety (Decorative). Of the finest form. Gayety glories in a combination of colors, which is really wonderful. The ground color is a strawberry red, each petal having a broad band of white; the entire effect is rather bizarre in character. 25c. each; doz., \$2.50.

Geisha (Paeony). One of the most beautiful of all Paeony varieties; a combination of scarlet and gold in the flower varies with each petal, making a wonderful oriental effect. 50c. each; doz., \$5.00.

General Buller (Cactus). Rich velvety crimson; tipped white; very fine flower. 20c. each; doz., \$2.00; \$15.00 per 100.

General French (Cactus). A most delightful shade, a beautiful

orange terra-cotta. 20c. each; doz, \$2.00; \$15.00 per 100. Germania (Paeony). A veritable blaze in the garden; a bright glowing crimson, very attractive and showy; long, stout stems. 20c. each; doz., \$2.00; \$15.00 per 100.

Helvetia (Single). Very large flower, with long petals and a

small centre. It is made up of broad stripes of brilliant scarlet and pure white in a very uniform fashion. Splendid for cut-

ting. 25c. each; doz., \$2.50; \$15.00 per 10o.

Henri Farman (Collarette). Brilliant cardinal red, frequently edged creamy yellow; collar creamy yellow. 25c. each; doz.,

Hortulanus Budde (Paeony). Very free-flowering; a beautiful rich orange red. The flowers are very large and of finest form on long stiff stems. 35c. each; doz., \$3.50.

H. W. Sillem (Cactus). Brilliant vermilion-scarlet; long flower petals. 20c. each; doz., \$2.00; \$15.00 per 100.
H. Shoesmith (Cactus). Vermilion-scarlet. Splendid form,

Splendid form, long slender quilled petals. 20c. each; doz., \$2.00; \$15.00 per 100.

Indian Chief (Pompon). A fine, free-flowering crimson variety. 20c. each; doz., \$2.00; \$15.00 per 100.

Jack (Single). Very brilliant, fiery scarlet, with base of petals overlaid with golden yellow. A great bloomer, with recurved petals. 20c. each; doz., \$2.00.



Paeony-Flowered Dahlia, "Germania"

RED SHADES (Continued)

Jack Rose (Decorative). One of the most free-flowering and perfect formed Dahlias. The flowers are rich crimson on stiff wiry stems; excellent for cutting. 20c. each; doz., \$2.00; \$15.00 per 100.

John Riding (Cactus). Enormous flowers of splendid incurved form. Its exceptional size, perfect form, great depth and deep rich crimson color places this variety in the front rank. 5oc. each; doz., \$5.00.

Kalif (Cactus). Very large, pure scarlet. A strong plant producing the giant flowers freely on long, stiff stems. 75c. each; doz., \$7.50.

Kupfer (Pompon). Very distinct, coppery bronze. 20c. each; doz., \$2.00; \$15.00 per 100.

Kismet (Cactus). A distinct new variety; color cerise with rosy shading at tips. Excellent form, the florets being narrower than usual, tightly tubular and perfectly incurved. 50c. each; doz., \$5.00.

Lyndhurst (Decorative). A fine cutting variety and a great bloomer; bright scarlet. 20c. each; doz., \$2.00; \$15.00 per 100.

Marathon (Cactus). Brilliant rich purple, very distinct color and of exquisite form. 20c. each; doz., \$2.00; \$15.00 per 100.

Maurice Rivoire. Blood red, with deeper stripes down the centre; pure white, fringed collar. 25c. each; doz., \$2.50.

Miss Willmott (Cactus). A grand cut flower and splendid for garden decorations. Reddish apricot, shading to golden yellow at the centre. 20c. each; doz., \$2.00; \$15.00 per 100.

Mme. Viger (Collarette). Rich garnet; collar petals white, suffused carmine. 25c. each; doz., \$2.50.

Mrs. C. L. Seybold (Decorative). Crimson carmine with a white tip. A profuse bloomer. Very desirable for cutting. 20c. each; doz., \$2.00; \$15.00 per 100.

Mrs. Henry R. Wirth (Cactus). Rich brilliant scarlet, of won-derful free-flowering habit. 20c. each; doz, \$2.00; \$15.00 per 100.

Mrs. H. J. Jones (Cactus). Brilliant scarlet, edged blush white. The flowers are of exquisite form. 20c. each; doz., \$2.00; \$15.00 per 100.

Mrs. Reginald Bailey (Cactus). Immense size, splendid form with long, narrow, incurved petals; color, brilliant glistening crimson; early and continuous bloomer. The finest crimson Cactus. 20c. each; doz., \$2.00; \$15.00 per 100.

RED SHADES (Continued)

Manzanola (Decorative). Brilliant oriental-red with deeper shadings, a fine shaped flower with good stem; very free and ideal for cutting. 25c. each; doz., \$2.50.

Minnie Burgle (Decorative). A rich luminons, dark scarlet on long, stiff stems; splendid both for cutting and garden decoration; free-flowering. 40c. each; doz., \$4.00.

Mrs. Furbush (Decorative). A fine dark, rich garnet, shaded maroon; a free, continuous bloomer; flowers on long erect stems. 25c. each; doz., \$15.00.

Orange King (Decorative). Richest shade of orange-red, very profuse bloomer. 20c. each; \$2.00 per doz.; \$15.00 per 100.

Oregon Beauty (Decorative). Rich oriental red with golden sheen and suffused garnet. The flowers are produced in greatest profusion on long, stiff stems. 35c. each; doz., \$3.50.

Ouray (Decorative). Rich deep velvety maroon, of splendid form. 20c. each; doz., \$2.00; \$15.00 per 100.

Phoenix (Cactus). A bold, large flower of rich carmine red; very attractive and large-flowering; splendid cutflower. 20c. each; doz., \$2.00; \$15.00 per 100.

Pembroke (Paeony). Bright carmine shaded white; flowers large—often nine inches across—borne well above the foliage on strong, stiff stems. *Plants only.* 75c. each.

Red Hussar (Show). A sterling variety; exceptionally fine shaped flowers of pure cardinal red. Free-flowering and splendid for cutting. 20c. each; doz., \$2.00; \$15.00 per 100.

Rene Cayeux (Cactus). Rich geranium red; splendid for cutting. 20c. each; doz., \$2.00; \$15.00 per 100.

Rheingan (Cactus). Enormous flowers, produced freely on long stems, far above the foliage, of a rich brilliant scarlet. *Plants only.* 20c. each; doz., \$2.00; \$15.00 per 100.

Rheinischer Frohsinn (Cactus). Large flowers of exquisite form; long incurved petals, white at the base, becoming suffused at half their length with bright carmine rose. 5oc. each, doz., \$5.00.

Record (Cactus). A fine variety with large oriental-red flowers; perfect form; excellent for cutting. 75c. each; doz., \$7.50.

Sherlock (Cactus). Orange scarlet, suffused apricot; the flowers are very large and are borne in great profusion on long, stiff stems; fine for cutting. 25c. each; doz., \$2.50.

Souvenir de Gustave Doazon (Decorative). One of the largest decorative Dahlias, measuring often 8 inches in diameter. Color is a beautiful red. The flowers are of most perfect form. 20c. each; doz., \$2.00; \$15.00 per 100.

The Author (Paeony). Brilliant terra-cotta; upright grower, dark stem and foliage, producing flowers early and profusely with a strong stem. *Plants only*. 50c. each; doz., \$5.00.

Twentieth Century. Intense rosy Carmine, with white tips and white disc around the yellow centre. 20c. each; doz., \$2.00; \$15.00 per 100.

Valiant (Cactus). One of the finest Cactus Dahlias introduced. The immense flowers of brilliant crimson color are carried on long, stiff stems. Form perfectly incurved, and florets long, narrow, and intermingled. 75c. each.

Wolfgang von Goethe (Cactus). A very large flower, of loose, but regular form. Excellent as a cut flower. Color is a rich apricot suffused carmine. Shows up splendid under artificial light. 35c. each; doz., \$3.50.

Ware's Mars (Pompon). One of the finest shaped Pompon Dahlias. A strong grower with dwarf habit; the flowers are of extra fine form; color, brilliant scarlet. 20c. each; doz., \$2.00; \$15.00 per 100.

Wm. Agnew (Decorative). Very large flowers of glistening scarlet crimson; blooms early and lasts until frost; splendid for cutting. 20c. each; doz., \$2.00; \$15.00 per 100.

GLADIOLUS, CANNAS AND DAHLIAS

A comprehensive treatise on these important popular flowers, giving up-to-date cultural instructions. Free for the asking.

YELLOW SHADES

Autumn Glow (Decorative). A large, perfect flower of excellent form; primrose-yellow with bronze shadings; fine for cut-

ting. Plants only. 25c. each; doz., \$2.50.

Capstan (Cactus). Yellow, shading to orange red; perfect form; excellent for garden decoration or for cutting. 25c.

each; doz., \$2.50; \$15.00 per 100.

Catherine (Pompon). Primrose-yellow; a beautiful flower. 20c. each; doz., \$1.50; \$10.00 per 100.

Chas. Lanier (Show). Enormous flowers of perfect outline and

formation. One of the freest flowering sorts. Color, amber, shaded buff. 20c. each; doz., \$2.00; \$15.00 per 100.

Cockatoo (Cactus). Lemon yellow, shaded rose, white centre, sometimes entirely yellow; narrow, long incurved petals form a perfect flower. Very effective. 25c. each; doz., \$2.50.

Country Girl (Cactus). One of the finest Cactus Dahlias for

either cutting or garden decorations. The great flowers are golden yellow, suffused salmon pink. 25c. each; doz., \$2.50.

C. W. Bruton (Decorative). Very attractive and showy. The flowers, which are of a rich golden yellow, are perfectly formed and appear in profusion quite early until frost. 20c. each; doz., \$2.00.

Dragon d'Or (Cactus). Of perfect form, full double, with the ends of the petals cleft; a fine cutflower; bright canary yellow.

25c. each; doz., \$2.50; \$15.00 per 100.

Duchess of Marlborough (Cactus). A wonderful free-flowering variety; a beautiful shade of solferino, suffused golden at the base of the petals; excellent cutflower. 35c. each; doz., \$3.50.

Dorothy Head (Paeony). Color, bright salmon with a suffusion of yellow, running from center of flower to the point of each petal producing pleasing flowers on long, rigid stems in August and continues blooming profusely throughout the season. 75c. each; doz., \$7.50.

Gaillardia (Single). Golden yellow, with a broad band or disc of red around the yellow centre. Most striking and effective. 20c. each; doz., \$1.50; \$10.00 per 100.

Gloire Lyonnaise (Decorative). Golden yellow, tipped rosy carmine; large, early and profuse; fine form and good stems. 25c. each; doz., \$2.50.

Glory of Groenekan (Paeony). A handsome shade of rich orange yellow, extra large flowers, carried on long stems; fine

for cutting. 25c. each; doz., \$2.50.

Glory of Wilts (Cactus). A magnificent bright yellow variety, of large size; very profuse bloomer. 25c. each; doz., \$2.50. Golden Eagle (Cactus). Splendidly incurved, large flower of a

pleasing golden buff; entirely distinct. 25c. each; doz., \$2.50. Golden Gate (Cactus). Very large flower of rich deep golden yellow, suffused fawn color. Profuse bloomer; excellent for cutting. 50c. each; doz., \$5.00.

Goldland (Cactus). Primrose yellow; of excellent form; free bloomer. 25c. each; doz., \$2.50.

Golden Plover (Cactus). A variety of neat and perfect form, with long and strong flower stems. Color, bright yellow, shaded darker on the older florets. 25c. each; doz., \$2.50.

Lord Minto (Cactus). Pale yellow, shaded soft rosy salmon at end of petals. Very symmetrical flowers with long, quilled

petals. 25c. each; doz., \$2.50.

Lucy Fawcett (Show). Sulphur yellow, striped carmine-rose.

A most attractive flower; fine for cutting. 20c. each; doz., \$2.00.

Miss Browning (Show). One of the most showy varieties, both as blooming plants and as a cut flower. The flowers are canaryyellow, tipped white and of perfect form. 20c. each, doz. \$2.00. Miss Minnie McCullough (Decorative). Superb soft yellow,

overlaid bronze. 20c. each; doz., \$2.00.

Melody (Cactus). The most distinct of our new sorts and the most admired by all who have seen it. Color, clear yellow for half the length of the florets, the remainder being pure white.

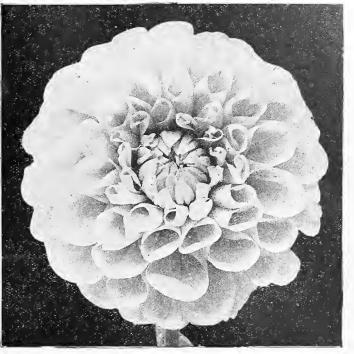
Of typical Cactus form. 50c. each; doz., \$5.00. Michell's "Five Eighteen" (Decorative) New. Beautiful rich canary yellow, full double flowers on stiff, erect stem. Plants

only. 50c. each; doz., \$5.00.

Miss Stredwick (Cactus). One of the finest Cactus Dahlias; soft yellow at base, changing to deep pink; long flower stem.

Plants only. 50c. each; doz., \$5.00.

Model (Cactus). Quite a model of neatness and true cactus form. The florets incurve with perfect regularity. The color is soft yellow at base, gradually deepening to clear pink, then yellow again at the time. The coch day for the second sec yellow again at the tips. 75c. each; doz., \$7.50.



Show Dahlia-Yellow Livoni

YELLOW SHADES (Continued)

Mondscheibe(Paeony). Deep yellow; remarkable free bloomer; extra large flowers. 50c. each; doz., \$5.00.

Mrs. Alfred Dyer (Yellow). Center, pale lemon yellow, deepening to a soft pink, petal tips almost white; of dwarf growth, and a free bloomer. Plants only. 35c. each; doz., \$3.50.

Mrs. Chas. Turner (Decorative). Clear canary yellow; very profuse bloomer. 20c. each; doz., \$2.00.

Mrs. G. Gordon (Paeony). Large lemon-yellow flowers; one of the best Paeony-flowered. 35c. each; doz., \$3.50.

Nerthus (Cactus). Rich bronzy orange yellow, shading to carmine-rose at the tips, the whole suffused with a glowing golden color. 35c. each; doz., \$3.5o.

Princess Victoria (Show). A very strong grower, producing splendid flowers on a long stem. Rich canary-yellow; a free

bloomer. 20c. each; doz., \$2.00.

Richard Box (Cactus). Clear light yellow; of perfectly incurved form. Plants only. 35c. each; doz., \$3.50.

Souvenir de Chabanne (Collarette). Golden yellow, suffused scarlet. Yellow collar, tipped white. 25c. each; doz., \$2.50.

Starlight (Cactus). Deep yellow near the base of the petals, gradually lightening to palest lemon; and finally white at the tips. True Cactus form. 75c. each; doz., \$7.50.

Success (Cactus). Of a bright canary yellow, with fine needlelike petals. It is an early and free bloomer and will give splendid satisfaction. 25c. each; doz., \$2.50.

Tricolor (Cactus). The ground is golden yellow, while each petal is marked scarlet. 25c. each; doz., \$2.50.

Vater Rhein (Cactus). Yellow, suffused salmon rose; flowers are borne erect on long stems. 25c. each; doz., \$2.50.

Walkure (Cactus). Sulphur yellow, shading to golden yellow at center; very large; a strong vigorous grower and free bloomer. 75c. each; doz., \$7.50.

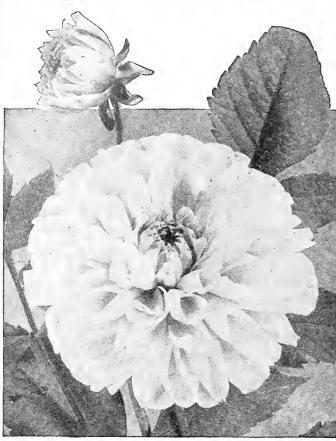
Yellow Colosse (Decorative). Large, showy flowers of pure

primrose-yellow produced freely on long, graceful stems. 20c. each; doz., \$2.∞.

Yellow Livoni (Show). A beautiful quilled Dahlia; soft lemon yellow; excellent for cutting. 20c. each; doz., \$2.00.

Yellow Duke (Decorative). Canary-yellow, quilled petals, a giant flower on long stems. 20c. each; doz., \$2.00.

Yellow Hammer (Cactus). Bright primrose yellow; of perfect form. 35c. each; doz., \$3.50.



Show Dahlia, "Mrs. Roosevelt"

PINK SHADES

A. D. Livoni (Show). Beautiful clear pink; free flowering; fine form. 20c. each; doz., \$2.00; \$15.00 per 100.

A. R. Burton (Single). New. Fine rose pink, extra long flowers on long stem. Plants only. 30c. each; doz., \$3.00.

Crawley Star (Single). This charming variety is excellent for cutting or as a decorative plant in the garden. The color is a lovely shade of clear rose pink, particularly nice by artificial light. Plants only. 50c. each; doz., \$5.00.

Caleb Powers (Show). Delicate pink, with white center; perfect flowers. Plants only. 35c. each; doz., \$3.50.

Countess of Lonsdale (Cactus). Very profuse bloomer; rich salmon pink. 20c. each; doz., \$2.00; \$15.00 per 100.

Delicatissima (Cactus). A beautiful delicate pink; pcrfectly formed flowers. 20c. each; doz., \$2.00; \$15.00 per 100.

Delice (Decorative). One of the finest true pink in its class; Plants only. 25c. each; doz., \$2.50.

Dorothy Peacock (Show). Delicate rose pink, with a full white center; a profuse bloomer, with long erect stems; splendid for cutting; 20c. each; doz., \$2.00; \$15.00 per 100.

Dr. Hirshbrunn (Pompon). Deep rosy lilac; very free flowering; of fine form. 20c. each; doz., \$1.50; \$10.00 per 100.

E. F. Hawes (Cactus). A pretty shade of clear salmon pink; the flowers are carried on strong stems. Plants only. 75c. each.

Emily (Show). Solfering with white markings; very large and free. 20c. each; dozen, \$2.00; \$15.00 per 100.

Galathea (Cactus). Soft pink; medium sized flower of excellent form. 25c. each; doz., \$2.50.

Great Britain (Decorative). Clear mauve; the flowers are large and very handsome. 35c. each; doz., \$3.50.

PINK SHADES (Continued)

Gretchen Heine (Pompon). Ground color rose, tinted white. each petal tipped crimson carmine. 20c. each; doz., \$1.50; \$10.00 per 100.

Hortulanus Fiet. (Decorative). Enormous flowers, often 8 inches across; the color is a delicate shrimp pink; petals

tipped golden yellow. 50c. each; doz., \$5.00.

Hampton Court (Paeony). A beautiful mauve pink variety of excellent form. One of the most showy Paeony Dahlias introduced. 35c. each; doz., \$3.50.

Jeanne Charmet (Decorative). One of the most continuous bloomers. The color is of delicate rose; flowers are of perfect form and excellent for cutting. 35c. each; doz., \$3.50.

John Thorpe (Show). Soft rich pink; splendid cut flower. 20c. each; doz., \$2.00; \$15.00 per 100.

John Wanamaker (Paeony). One of the largest and most handsome of Dahlias, being an exquisite shade of rosy lake, called orchid pink. 35c. each; doz., \$3.50.

Klein Domitea (Pompon). Salmon buff; very profuse bloomer. 20c. each; doz., \$1.50; \$10.00 per 100.

Kriemhielde (Cactus) Delicate soft pink, with a distinct white

center. 20c. each; doz., \$2.00.

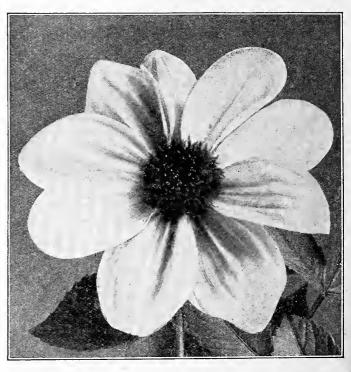
Lorna Doone (Cactus). This beautiful variety is especially suitable for garden decorations or for cutting. It is of splendid Cactus form; grows erect, not too tall. The greater part of the flower is carmine pink, shaded yellow at the base. 75c. each; doz., \$7.50.

Mme. van den Dael (Decorative). Shell pink, shaded deep rose. The shape of the flower is perfect and lasts well when cut. 20c. each; doz., \$2.00; \$15.00 per 100.

Mad. Henry Cayeux (Cactus). The best of all Cactus Dahlias. The flowers are gigantic; the florets are very narrow and come to a needle point. The center of the flower is pure white, the petals are most delicate rose pink. Splendid cut flower. 25c. each; doz., \$2.50.

Mauve Queen (Cactus). Long incurved petals; clear mauve, shaded lighter toward center. 25c. each; doz., \$2.50.

Mlle. Marie Doucet (Cactus). One of the freest flowering varieties. Color a lively mauve pink, shading to white at the center. 25c. each; doz., \$2.50.



Century Dahlia, "Rose Pink Century"

PINK SHADES (Continued)

Mrs. C. W. Bassett (Decorative). A most showy variety, both for a blooming plant and as a cut flower. The flowers are large, of a delicate mauve pink of exquisite form and habit. 25c. each; doz., \$2.50.

Mrs. Gladstone (Show). A delicate shade of shell pink, shading

to blush at tips. 20c. each; doz., \$2.00.

Mrs. J. Gardner Cassatt (Decorative). This variety is one of the finest ever introduced. The color is most exquisite, a deep rose shade. Excellent for cutting, having a long, stiff stem. 35c. each; doz., \$3.5o.

rs. Roosevelt (Decorative). The flowers of this popular variety have a very distinct form, having large fluted petals Mrs. Roosevelt (Decorative). flatly arranged. The color, an exquisite daybreak pink, is not

approached by any other sort. 30c. each; doz., \$3.00.

Margaret Bouchon (Cactus). A charming, bright, lively pink, tinting to flesh colored at center; splendid form. 35c. each;

doz., \$3.50.

erissa (Pompon). A lovely shade of pink, that appeals to every one; splendid form; the best pink pompon. 20c. each; Nerissa (Pompon). doz., \$1.50; \$10.00 per 100.

Nibelungenhort (Cactus). Immense flowers, 7 to 8 inches across, rich golden apricot, suffused old rose; very free bloomer on long stiff stems. 50c. each; doz., \$5.00.

Onward (Cactus). Its incurved and twisted, narrow, rosy pink petals form an almost globular flower. Very desirable for ornamental gardening and for cut flower purposes. 50c. each; doz., \$5.00.

Paul Bonyon (Decorative). A beautiful salmon pink, with a brilliant golden sheen. The flowers are large, of good form and freely produced on long, wiry stems. 35c. each; doz., \$3.50.

Pink Pearl (Cactus). Delicate pink, suffused white in the center. 25c. each; doz., \$2.50.

Pearl Hilde (Cactus). A delicate shell pink sort of the well known Kriemhielde. 25c. each; doz., \$2.50.

Princess Bonnie (Show). Creamy white, tinted dainty pink. 20c. each; doz., \$2.00; \$15.00 per 100.

Queen Mary (Decorative). A great improvement over Delice; a much stronger grower, larger flower with full rounded center and a softer shade of pink. 35c. each; doz., \$3.50.

Queen Emma (Paeony). A charming shade of soft rose pink, the inner petals banded with gold. A beautiful variety and vigorous grower. 20c. each; doz., \$2.00.

Rev. H. J. Kitchen (Paeony). Delicate mauve pink, blotched and marked yellow; a large flower; very free. 25c. each;

Rosepink Century (Century). Of a beautiful rose pink color. The plant is an exceptional free bloomer, producing well shaped flowers on long stems well above the foliage. 20c. each; doz.,

Stability (Cactus). Flowers perfectly full in center and of good cactus form, their pretty pink color showing to great advantage. 75c. each; doz., \$7.50.

Sunshine (Cactus). Rosy pink, tipped lighter; fine for cut flowers. 20c. each; doz., \$2.50; \$17.50 per 100.

Sweetbrier (Cactus). One of the loveliest shades of clear soft pink; very long narrow incurved petals. 50c. each; doz., \$5.00.

Sylvia (Decorative). Deep pink, tinting to flesh color at center; large, perfect form, on long stiff stems. 20c. each; doz., \$2.00.

Wodan (Cactus). Old gold at center, shading to salmon pink; flowers very large and beautifully formed. 25c. each; doz., \$2.50.

UNNAMED DAHI	IAS		
	ach	Doz.	100
Double White\$0		\$1.25	\$9.00
" Red	.12	1.25	9.00
" Yellow	.12	1.25	9.00
" Mixed, all colors	.IO	1.00	7.50
" Pink	.12	1.25	9.00
Single Mixed, all colors	.IO	1.00	7.00
Cactus Mixed, all colors	.IO	1.00	7.00

WHITE SHADES

valanche (Paeony). An enormous flower, standing well above the foliage; the best in its class; pure white; stiff, erect stems. 50c. each; doz., \$5.00. Avalanche (Paeony).

Candeur (Cactus). Beautiful pure white, resembling an incurved chrysanthemum; excellent for cutting. 25c. each; doz.,

Dreer's White (Show). A fine large flowering variety of the most beautiful form. Pure white flowers borne on long stems. 35c. each; doz., \$3.50.

Eventide (Decorative). A very free flowering variety, almost pure white, its touches of delicate blush on the edge of the petals adding to its beauty. 25c. each; doz., \$2.50.

Flora (Cactus). Pure white flowers, produced on long stems.

Valuable for cutting. 25c. each; doz., \$2.50.

John Walker (Show). Very large flowers of purest white; an excellent sort for either garden decoration or cutting. 20c. each; doz., \$2.00; \$15.00 per 100.

Kaiserin Augusta Victoria (Decorative). Splendid flat flowers of purest white, carried erect on stout stems. The earliest and best white decorative Dahlias. Plants grow dwarf and flowers are above foliage; excellent for cutting. 20c. each; doz., \$2.00; \$15.00 per 100.

Lawine (Cactus). An exquisite variety of excellent form and enormous size. It is a glistening white, but occasionally a flush of blush is found on some flowers. 25c. each; doz., \$2.50.

Le Grand Manitou (Decorative). One of the most attractive of its type. The flowers are perfect in form and of immense size. The color is pure white, exquisitely striped, splashed and blotched deep violet. Plants only. 35c. each; doz., \$3.50.

Mad. A. Lumiere (Decorative). A very attractive, fancy, decorative Dahlia. The coloring is exceedingly wonderful; pure white, with violet-red tips; a fine contrast of colors. 25c. each; doz., \$2.50.

Miss Minnie Vosburg (Show). One of the best Show Dahlias. The flowers, which form perfect white balls, with a full center, are borne on erect, stout stems. The flower is absolutely perfect in formation and outline. A profuse bloomer; fine for cutting. 20c. each; doz., \$2.00; \$15.00 per 100.

Mont Blanc (Decorative). One of the best pure white decorative sorts; very large, early, profuse and continuous bloomer, on long, stiff stems. 25c. each; doz., \$2.50.

Perle de Lyon (Decorative). A pure white exhibition variety of great value. The petals are fringed or nitched, giving a unique appearance. The flowers are perfect in form, and produced on long, stiff stems. 20c. each; dozen, \$2.00; \$15.00 per 100.

Princess Julianna (Decorative). A wonderful white decorative Dahlia; an early, free and constant bloomer; flowers of medium size, good for decorative work. 25c. each; doz., \$2.50.

Queen Wilhelmina (Paeony). One of the finest white Paeony Dahlias, producing flowers on exceedingly long stems, well above the foliage: excellent for decorative purposes. 20c. each; doz., \$2.00; \$15.00 per 100.

Rhein Koenig (Cactus). A splendid exhibition variety. The giant flowers, which often measure 5 to 6 inches in diameter, are glistening snowy white. Flowers appear early and continue in such profusion that the foliage is almost hidden with the blooms. 25c. each; doz., \$2.50.

Schneekoenigin (Cactus). A magnificent pure white, of large size. Ideal form, and splendid quality; the flowers are held well above the foliage. 35c. each; doz., \$3.50.

Snowelad (Pompon). A fine pure white, of excellent habit. 20c. each; doz., \$1.50; \$10.00 per 10o.

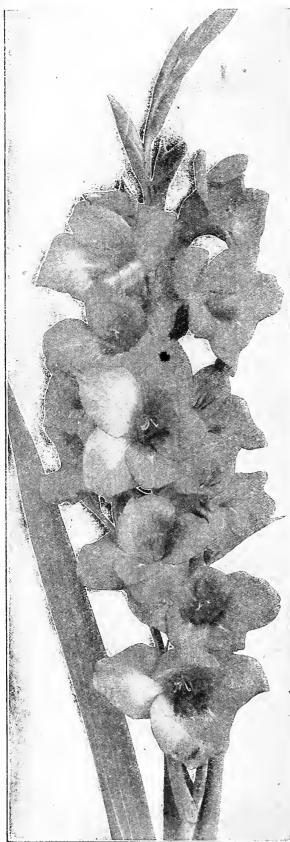
The Swan (Cactus). This new variety will prove to be the best of all white Cactus Dahlias. It is a robust, not too tall grower, the flower stems being erect. For cut flowers they are un-excelled. This beautiful variety should be in every collection. 50c. each; doz., \$5.00.

White Century (Century). Pure white, with large heavy petals. Profuse bloomer. Plants only. 20c. each; doz., \$2.00.

W. W. Rawson (Show). A fine shaped, massive, large double flower, which is produced on long stems; pure white, delicately overlaid with mauve. 35c. each; doz., \$3.50.

MICHELL'S SUPERB GLADIOLI BULBS

IN MIXTURE AND SEPARATE COLORS, UNNAMED SORTS



A type of Michell's Giant Flowering Mixture of Gladiolus

We have grown the past season approximately one-half million bulbs of the finest quality all true to name.

What a wonderful stride this flower has made during recent years. Its popularity to-day is exceeded by few other flowers and it has by no means reached its limit. And there are good reasons for this popularity. Failure with this flower has never been known. They will grow in any open position and bloom well. They are not only showy in the garden but when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

GOLD MEDAL STRAIN MIXTURES

This strain which is offered in mixtures of distinct shades originated with the celebrated Gladiolus Specialist, Mr. Groff, who after careful reselection considers what is offered as the Gold Medal Strain, the very cream of all his collection. In order to distinguish between the Gold and Silver Trophy Strain, we wish to state that the selection has been made along these lines, larger flowers, rarer colors, ideal stems and types of extended flowering period. These are equal to the best named varieties, but simply have never been christened.

Section 1. All shades and combinations of red, scarlet and crimson.

Each 10c.; \$1.00 per doz.; \$6.00 per 100, by express collect.

Section 2. Contains all the finest shades of yellow, delicate pink, rose and white. Each 15c.; \$1.50 per doz.; \$10.00 per 100, by express collect.

Section 3. This embraces all the shades of blue, heliotrope, mauve, lilac and similar colors. (No smoky or slate blues.) Each, 20c.; \$2.00 per doz.; \$15.00 per 100, by express collect.

SILVER TROPHY STRAIN MIXTURES

Before the Gold Medal strain (mentioned above) was known, the mixtures under the title of Silver Trophy, were the choicest assortment of the same specialist. It constitutes to-day a very superior selection of what is generally known as mixture, and offers the opportunity to do one's planting in shades of the same character.

Section 1. This embraces all the shades of scarlet, red and crimson, care

being taken to eliminate the objectionable ones. 5c. each; per doz., 4oc.;

Section 2. The cream of all the yellow, pink, white and light shaded

colors. 7c. each; per doz., 6oc.; \$3.50 per 100.

Section 3. Lilac, heliotrope, violet and all the shades of light and dark blue compose this selection. The colors are most exquisite. 7c. each; per doz., 75c.; \$4.00 per 100.

MICHELL'S MIXTURES OF GLADIOLUS Giant Flowering Strain (see illustration). Every bulb for this mixture

has been selected with utmost care for coloring, size of flower and purity, no other mixture can boast of such careful selection. It is principally grown in our own nursery. 5c. each; per doz., 5oc.; \$3.00 per 100. \$25.00 Each Doz. \$20.00 \$2.25 2.00 17.00 2.50 20.00 Extra Choice. All colors mixed 1.50 12.00

UNNAMED GLADIOLUS (In Separate Colors)

Each	Doz.	100	10 00
White and Light Shades\$0.04	\$0.35	\$2.50	\$20.00
Yellow in all Shades	.65	4.50	40.00
Scarlet04	30		17.50
Pink04		2.00	18.00
Striped and Variegated	.50	3.50	30.00

SPECIAL COLLECTION OF NAMED GLADIOLUS

As an inducement to popularize the choicer named Gladiolus, we offer the following collections at attractive prices; for this reason the selection must be our own, customers may be sure, however, of getting a wide range

Collection No. 1.— 12 bulbs, I each of 12 varieties, our selection.....\$0.75 Collection No. 2. — 25 Collection No. 3. — 50 2.00 3.75 Collection No. 4. -100 7.25

GLADIOLUS, CANNAS AND DAHLIAS

A comprehensive treatise on these important popular flowers, giving up-to-date cultural instructions. Free for the asking.

MICHELL'S SUPERB NAMED GLADIOLI NEW VARIETIES

THE MOST MAGNIFICENT SET EVER OFFERED AND WORTHY OF A PLACE IN YOUR COLLECTION.



Gladiolus "Winsome"

Charmer. Large, broad-petalled flowers of soft mauve pink, blending off lighter in the throat, which is penciled carmine 20c. each; doz., \$1.75; \$12.50 per 100.

Cynosure. Immense flowers of exquisite deep rose-pink, marked on the lower petals with a throat blotch of crimson; tall, strong, well filled spikes. 20c. each; doz., \$200; \$1500 per 100.

Fascinator. Splendid large flowers of salmon pink, tinted with flames of carmine; throat blush with carmine-lake pencilings; long, well-filled spikes. 20c. each; doz., \$1.75; \$1250 per 100.

Fire King. Long graceful spikes showing half a dozen immense blooms open at the same time. Color, intense scarlet. More brilliant than any other scarlet variety. A perfectly grand variety. 20c. each; doz., \$2.00, \$15.00 per 100.

Leslie. Light delicate pink with rich crimson maroon blotches, pointed white. 15c. each; doz., \$1.50; \$10.00 per 100.

Melrose. White flaked pink, bright crimson centre. Very large and fine. 20c. each; doz., \$1.75; \$12.00 per 100.

Negerfürst. Very dark blood black, with velvety black spots; inflamed with white and flaked lilac-rose. A very odd, beautiful color, long graceful spike and robust free habit. Best of the dark varieties. 30c. each; doz., \$2.75; \$20.00 per 100.

Richred. Tall and handsome spikes with large flowers of splendid form, and a rich deep blood red color. 200. each; doz., \$1.75; \$12.50 per 100.

Ruby King. Fine compact spike, tall and graceful, flowers of great substance and of an intense dark ruby red, glowing with peculiar richness; very fine indeed. 20c. each; doz., \$1.75; \$12.50 per 100.

Silvretta. Creamy white with carmine blotches on lower petals; spike strong and tall. Late flowering. 35c. each; doz., \$3.50; \$25.00 per 100.

War. The grower refers to this as a bad name but a splendid gladiolus, undoubtedly one of the largest flowered sorts; the color is deep blood red, shaded crimson. 200, each; doz., \$2.00; \$15.00 per 100.

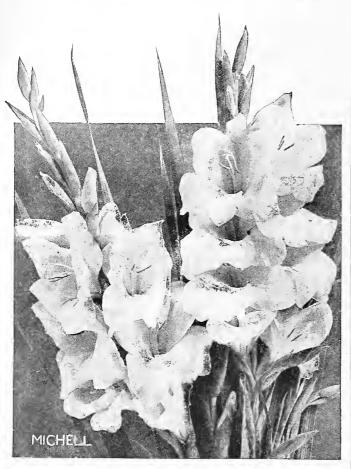
Winsome. Great round flowers of exquisite blush, shot and shaded with carmine-pink. A conspicuous throat blotch of crimson-lake ornaments each of the lower petals; sturdy, upright spike. 20c each; doz, \$2.00; \$15.00 per 100.

SPECIAL OFFER.—One Bulb each of the 12 magnificent varieties, listed on this page, for \$2.50.



Gladiolus "Fascinator"

MICHELL'S NAMED SUPERB GLADIOLI



Gladiolus "America"

America. One of the best Gladioli in existence. The color is a beautiful flesh pink, tinged with lavender. The flowers are of the largest size, the petals are round, thick and strong, and will last a long time after being cut. For groups or in vases there is no other flower which can excel it in effectiveness. 5c. each; doz., 40c.; \$2.50 per 100.

Attraction. Immense flowers of a most pleasing deep rose, with white throat, which makes it a most beautiful and attractive variety. 6c. each; doz., 50c.; \$3.00 per 100.

Augusta. A real gem for the garden, producing graceful, slender stems, which are dressed entirely with beautiful flowers of pure white, slightly tinged and striped pink, which open all at one time. For massing in front of shrubbery or tall perennials this variety is excellent, also for cut flower purposes. 6c. each; doz., 50c.; \$2.75 per 10o.

Baron Hulot. Large flowers, well arranged on long spikes. Color is a deep indigo blue, slightly marked white at the base of the throat; very attractive, when arranged with yellow flowers in a vase. 5c. each; doz., 5oc.; \$3.00 per 100.

Brenchleyensis. An old standard sort and one of the best for bedding or planting in front of shrubbery, where one shade of rich scarlet is desired. The flowers, which appear all at one time, are of a vermilion scarlet color, and are also splendid for cutting. 3c. each; doz., 25c.; \$1.75 per 100; per 1000, \$15.00.

Brilliant. Beautiful orange red, with carmine and white throat; a gigantic flower on a tall, stiff stem. It is one of the very best of the scarlet sorts and should be in every collection. Ioc. each; doz., \$1.00; \$6.00 per 100.

Canary Bird. Without doubt a fine canary yellow, a shade that is pleasing and attractive. The massive spikes are closely set with flowers. 10c. each; doz., \$1.00; \$7.50 per 10o.

Cardinal. A perfect spike and flower of the brightest, and most intense cardinal red. Very rich and showy, and considered one of the finest of the red varieties. 15c. each; doz., \$1.50; \$11.00 per 100.

Contrast. One of the most showy of all Gladioli. The intense dazzling scarlet flowers present a striking contrast with a combination of a pure white band around each petal and a conspicuous marking of white in the throat; very effective and pleasing at sight. 40c. each; doz., \$4.00.

Eugene Scribe. A standard variety of great beauty. Large open flowers of a tender rose shade, blazed carmine. 8c. each; doz., 75c.; \$5.00 per 100.

Europa. Gigantic flowers of purest white without a trace of any other color. Spike averages 25 blossoms. It has received highest awards at every exhibition where shown. 10c. each; per doz., \$1.00; \$7.50 per 100.

George Paul. One of the largest-flowering varieties, produced in great numbers on graceful slender stems; color, rich crimson. Splendid for cutting and for massing in front of shrubbery. 15c. each; doz., \$1.50; \$10.00 per 100.

Glory of Holland. A splendid pure white variety with no trace of other color except lavender anthers. 15c. each; doz., \$1.50; \$10.00 per 100.

Glory (Kunderdi). A beautiful distinct variety with ruffled petals. Produces massive spikes with large creamy pink flowers, penciled crimson in the throat. 10c. each; doz., \$1.00; \$6.00 per 100.

Halley. Very large, well expanded flowers of a lovely salmon pink; the lower segments are blotched yellow with carmine markings; robust grower. 4c. each; doz., 4oc.; \$2.50 per 100.

Hollandia. A distinct shade of beautiful salmon yellow, producing long spikes covered with large individual flowers. It is one of the best for outdoor culture. 6c. each; doz., 50c.; \$2.50 per 100.

I. S. Hendrickson. A beautiful irregular mottling of white and rose; in some the pink and in others the white predominates. Ioc. each; doz., \$1.00; \$7.00 per 100.

Jean Dieulafoy. One of the earliest to flower. The lovely creamy white blooms are decorated with a conspicuous blotch of red in the throat. 20c. each; doz., \$2.00; \$12.50 per 100.

Klondyke. A most hardy, vigorous and productive sort. The flowers, which are of medium size and of great substance, are clear primrose yellow with a crimson blotch in the throat. Of dwarf habit, this variety is unexcelled for massing or in front of shrubbery, etc. 5c. each; doz., 5oc.; \$3.00 per 100.

Lemon Drop. Strong vigorous plant, blooming early; flowers round, well opened, of a light lemon yellow with a brighter yellow band. 12c. each; doz., \$1.00; \$6.00 per 100.

May. One of the best of the older varieties; a strong and vigorous grower. Color is a fine white delicately flecked crimson; a slender spike, extensively used for forcing. 5c. each; doz., 5oc.; \$3.50 per 100.

Mrs. H. B. Fullerton. A grand new variety; flowers are very large and well expanded, spike straight and strong; color ruby red with white blotches. 40c. each; doz., \$4.00.

Mrs. Francis King. A variety of recent introduction; which excited great comment of admiration, both for size of flower and beauty. A most beautiful flame pink. Immense flowers on a spike growing 4 feet high, with from 18 to 20 flowers, 6 to 8 being open at one time. Many of the bulbs produce two and three flower-spikes; a gem among Gladiolus. 5c. each; doz., 40c.; \$2.50 per 100.

IMPORTANT MEMORANDA

Most people want the biggest bulbs they can get. Many varieties of gladioli produce only medium sized bulbs and for that reason should not be condemned. This is especially true in the case of mixed gladioli, either in colors or shades of color. The smaller bulbs are frequently the finest varieties.

MICHELL'S NAMED SUPERB GLADIOLI

Mrs. Frank Pendleton, Jr. One of the most exquisitely colored and formed Gladiolus in our entire list. In addition, the size of the bloom is not exceeded by any other. The color is a delicately flushed salmon pink, the color extending to the reverse side of the petal as well as in the centre. The blooms are wide open and are arranged individually on the very slender but wiry stems, which fall gracefully when arranged in vases. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. The most sensational gladioli novelty. 20c. each; doz., \$1.75; \$12.50 per 100.

Niagara. An entire new color in Gladiolus, to describe it intelligently one must imagine a shade of rich cream combined with canary yellow. The form and habit of this variety is exactly like America, except that the spike grows taller. The individual flowers are very large and borne in pairs opposite each other. 10c. each; doz., \$1.00; \$7.50 per 100.

Nezinscott. Very brilliant scarlet with a deep red throat; a striking variety. Ioc. each; doz., 85c.; \$5.50 per 100.

Panama. On account of its habit, color and form, it is destined to become the most popular Gladiolus in the near future. For form and habit, it has all the desirable features of the variety "America," but the wonderful color can best be described by comparing it with that of the popular rose, "Mrs. Jno. Laing," an incomparable rose pink. The spikes are tall and very robust and many flowers appear at one time. Ioc. each; doz., \$1.00; \$7.50 per 100.

Peace. A grand pure white flower with just a slight marking of a lilac feather on the lower petal. The plant is very robust, 5 feet high and shows enormous flowers well placed all along the stem. 'Tis of wonderful vitality, being a splendid keeper when cut. "Peace" flowers mid-season and late, when the best of other Gladiolus are gone. Ioc. each; doz., \$1.00; \$7.50 per 100.

Pink Augusta. A grand new Gladiolus, especially fine for bedding or cutting, it has all the fine characteristics of the "White Augusta," which is vigorous, has straight stems and is free blooming, and all flowers on a stem open at one time. The color is a pleasing pink and thereby fills a niche in the class of popular Gladiolus. 6c. each; doz., 6oc.; \$2.70 per 100.

Rochester White. This variety originated in the city it was named after with a prominent florist; it has been in great demand because of its pure white gigantic flowers, which are tinged light green; it might be termed the purest white gladioli. 20c. each; doz., \$2.00; \$15.00 per 100.

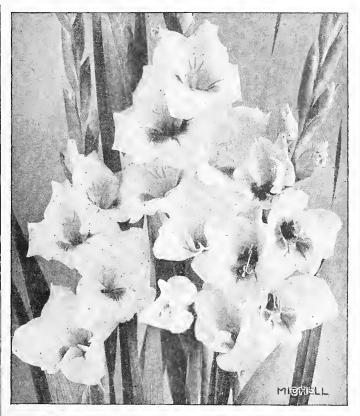
Pink Perfection. Finest and purest rose pink; extra fine spikes, with 8 to 10 flowers open at one time. The flowers are well expanded and of the most perfect form. Received an award of merit and a first-class certificate in London. 10c. each; doz., \$1.00; \$6.00 per 100.

Primulinus. One of the finest species from South Africa. Very thin, wiry slender stems, decked with clear canary yellow flowers of medium size. The upper petals being hardest, the attached two lower petals being expanded, gives it a most striking appearance. 25c. each; doz., \$2.50; \$17.50 per 100.

Primulus Major Hybridus. From the original species our grower has produced by crossing and recrossing an entire new form of Gladiolus. From the purest and lightest of yellow, it varies to the deepest orange, and from the softest shade of salmon pink down to rich crimson; also a few white. Dainty blotches in the throat add to their beauty. 6c. each; doz., 50c.; \$3.00 per 100.

Princeps. Amaryllis-shaped, gigantic flowers of a dazzling bright scarlet, marked with white on the lower petals. Two to three flowers open at one time. 5c. each; doz., 5oc.; \$3.00 per 100.

Rose Spray. A giant Childsii type, pure white with pink sprays or flakes. A most vigorous grower, large and strong, very early to bloom. The petals are large, round, thick and strong, and of lasting qualities. Ioc. each; doz., 75c.; \$4.00 per 100.



Gladiolus, Rose Spray (See bottom of opposite column)

Rosella (Kathryn.) A perfect orchid in color and texture; delicate cattleya pink, with white throat and veinings. Flowers are very large and many are open at one time. The delicate beauty of this variety, either in bud or bloom, is hardly equalled by any other Gladioli. 15c. each; doz., \$1.50; \$10.00 per 100.

Scarsdale. Long, graceful spikes of wide open flowers of a very pleasing lavender shade; a most unique and distinct color. 10c. each; doz., \$1.00; \$6.00 per 100.

Scribe. Soft rose, shaded carmine; large open flowers of great beauty. Ioc. each; doz., \$1.00; \$6.00 per 100.

Shakespeare. A very dainty white; slightly suffused rose. Well opened flowers on long spikes. Ioc. each; doz., \$1.00; \$6.00 per 100.

Sulphur King. One of the finest yellow Gladiolus. It produces, on a very long spike, flowers of the clearest sulphur yellow. The foliage is exceptionally broad and of a beautiful deep green color, adding immensely to the beauty of the plant. A very strong and vigorous grower. Splendid for cutting. 25c. each; doz., \$2.75; \$20.00 per 100.

Victory. Considered by many the best yellow Gladiolus. The flowers are of medium size, well arranged on a strong straight spike, and many open at one time. Color, delicate sulphur yellow, lower petals shaded deeper and a bright maroon blotch on throat. 8c. each; doz., 75c.; 100, \$5.00.

Wild Rose. A most vigorous grower, large and strong, very early in bloom, producing flowers of the largest size. The color is a beautiful pink, resembling the shade of the single wild rose of the roadside. A good grower, with straight, well formed spikes. The flowers are very large and wide open. 12c. each; doz., \$1.25; \$8.00 per 100.

What garden could be called complete without a fair display of these stately flowers. Their graceful habits, their ability to adapt themselves to special locations and the variety of them to have flowers almost the entire summer makes them very valuable. Their culture is simple yet a few rules must be strictly observed to grow them successfully.

All lilies should be planted from 6 to 8 inches deep, the Japanese varieties even 12 inches deep, the bulbs themselves should be completely enveloped in sand; no manure should come in contact with the bulb, but may be placed 4 to 6 inches underneath, all loose petaled bulbs should be planted on their side instead of upright.

These are sometimes grown in pots for indoor blooming, in which case they are handled much like the Bermuda Easter Lily; we recommend, however, they should be grown exclusively out-

door.

Wild gardening, a feature becoming popular of late, gives lilies the foremost place.

In winter all lilies should have a protection of leaves or manure.

JAPANESE LILIES

Auratum (Golden Banded Lily from Japan). A variety planted most extensively; flowers of enormous size, measuring frequently 8 to 12 inches across; pure white, spotted crimson; each petal is marked in the centre with a band of yellow. The petal is marked in the centre with a band of yellow. height varies according to location; it prefers a moist, cool well-drained soil. Flowers in August, delightfully fragrant; a single stem produces on an average from 8 to 15 flowers. Each Doz.

Large Bulbs. 8 to 9 inch circ.....\$0.15 \$1.50 \$10.00 2.00 15.00 3.25 Melpomene. Rich deep pink, spotted dark red; free blooming and robust in growth; very fragrant; height, 31/2 feet; flowers in August. Each Doz. Large Bulbs, 8 to 9 inch circ.....\$0.15 \$1.50 \$10.00 Mammoth Bulbs, 9 " 11 " "25 2.50 17.50 Speciosum Album. The best flowering pure white hardy-garden lily, of easy culture. The slender graceful stems and the control of t foliage are set off to wonderful advantage by the glistening pure white blooms clustered from 6 to 10 around the stem;

the petals recurve and snow the promisent centre; height 4 feet; blooms August and Sept. Each 8 to 9 inch circ.....\$0.20 \$2.00 9 " II " " 30 3.00 \$15.00 3.00 Mammoth Bulbs 17.50 Speciosum Magnificum. An enormous flower rich deep pink, spotted crimson; the form of flower is recurved like "Speciosum Album"; height, 3 feet; flowers in August.

the petals recurve and show the prominent red piston in the

Large Bulbs, 8 to 9 inch circ.....\$0.15 \$10.00 \$1.50 2.50 15.00 20.00 Jumbo Bulbs, 14 inch and over 5.00 Speciosum Rubrum or Roseum. Delicate pink, almost white,

spotted red; one of the old garden favorites; very height, 3 feet; flowers in August and Sept. Each Doz. hardy; Large Bulbs, 8 to 9 inch circ\$0.15

Mammoth Bulbs, 9 " 11 " "20 \$10.00 Large Bulbs, \$1.50 15.00 11 " 13 Monster Bulbs,

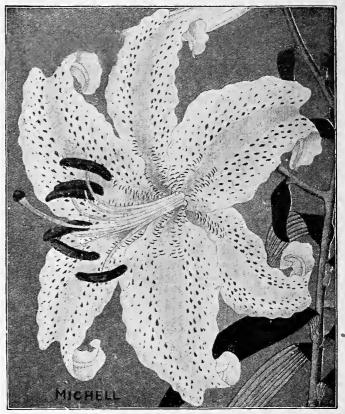
OLD FASHIONED TIGER LILIES

The orange blossoms are heavily spotted maroon and borne in clusters of from 4 to 10 blooms on a straight heavy stalk, often 5 feet in height. Blooms in July.

Single. Mammoth bulbs, 10c. each; doz., \$1.00; \$7.50 per 100. Double. A double form of the above. Mammoth bulbs, 15c. each; doz., \$1.50; \$10.00 per 100.

LILIUM REGALE (Myriophyllum)

A new introduction from China, absolutely hardy, also splendid for forcing, white suffused pink, shaded canary yellow in the centre, of delicious fragrance. \$1.00 each; doz. \$10.00.



Lilium Auratum

EDICAN OD NATIVE TITLE

AMERICAN OR NATIVE L	ILI	ES	
Wallacei. Bright apricot 4 to 6 flower stems, E each with 8 to 10 blooms	ach	Doz. \$1.50	100 \$10.00
Canadense (Canadian Bellflower Lily). Bright yellow bell-shaped flowers; spotted			
black inside; June and July; 2 feet Canadense Rubrum. Same as above, crimson	.15	1.50	10.00
with black spots	.20	1.75	12.50
ing early June; 2 feet; large open flowers stand upright in clusters from 3 to 5 on a			
stout stem	.15	1.50	10.00
Hansoni. Often grows from 3 to 5 feet high, flowers reddish orange 8 to 12 in a cluster;	.15	1.50	10.00
petals thick and durable	,50	5.00	40.00
Henryi (New and Rare). Tall grower, often 7 feet; producing flowers of a distinct orange yellow in great profusion	.60	6.00	
Superbum (Turk's Cap Lily). One of the best lilies for all purposes; will succeed everywhere; according to location, will grow from 3 to 6 feet high and produce from 15 to 25 nodding brilliant orange red flowers on a			
single stalk during July	.15	1.50	10.00
bell-shaped flowers, of rather small size, hang downward on a small but gracefully formed tree-like plant; splendid for edges of			
borders, rockeries or cutting; foliage very slender; flowers in May	.15	1.50	10,00
Umbellatum. A showy, massive lily, flowering in June; the broad, open flowers appear			
upward from 5 to 8 on a stout stalk, 3 feet high; color, a glowing orange scarlet; most		T #0	TO 00
effective when planted in clumps	.15	1.50	10.00

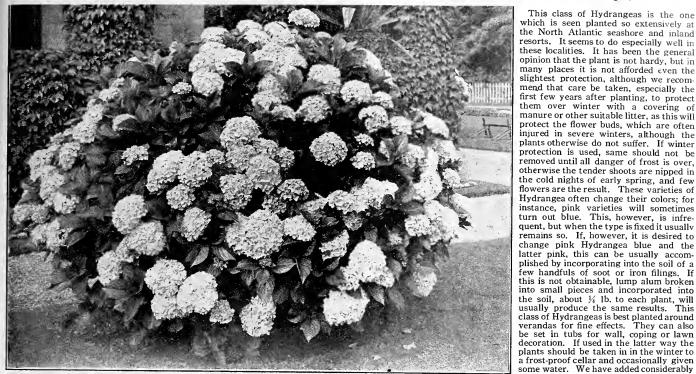
This class of Hydrangeas is the one which is seen planted so extensively at the North Atlantic seashore and inland resorts. It seems to do especially well in these localities. It has been the general opinion that the plant is not hardy, but in many places it is not afforded even the slightest protection, although we recommend that care be taken, especially the first few years after planting, to protect them over winter with a covering of manure or other suitable litter, as this will protect the flower buds, which are often injured in severe winters, although the

protection is used, same should not be removed until all danger of frost is over, otherwise the tender shoots are nipped in the cold nights of early spring, and few flowers are the result. These varieties of Hydrangea often change their colors; for

remains so. If, however, it is desired to change pink Hydrangea blue and the

plished by incorporating into the soil of a

MICHELL'S HYDRANGEA HORTENSIS (Hardy)



to our list, and offer an up-to-date selec-A Specimen Plant like this put on the Lawn, or about the Veranda base, makes beautiful show Special Note: Hydrangeas in the summertime should be watered liberally every day when there is no rain. Application of Cow Manure, Sheep Manure or Bone Meal will greatly increase the flowering qualities.

RECENT FRENCH NOVELTIES

Baby Bimbinet. A compact dwarf grower, free and early bloomer, large trusses of silvery pink.

Beaute Vendomoise. Immense flower heads with large florets;

white tinted pink.

*Eclaireur. The nearest approach to red in the hydrangea family; a real sterling novelty.

Very large trusses with a fast color of pink which Harmonie. does not fade readily.

La France. Very large flowers of a delicate rose pink shade:

flower trusses are gigantic.

La Perle. A splendid white variety; one of the best in this

color. Liberte. An attractive shade of pale pink, with enormous

flower heads. Louis Moulliere. A pleasing shade of deep rose pink, with fringed florets.

Prices of New French Hydrangea listed above as follows:

2½ in.	Pot	Plants	\$0.30	Doz. \$2.50	100 \$1 7 .50
4 "	"	"	.60 .85	5.00 7.50	40.00
*Car	ı be	supplied in 21/2 in, pots only.	.05	7.50	00.00

See also novelty pages 147 to 150 of this catalog for other hydrangeas.

HYDRANGEA OTAKSA

This is the old-fashioned favorite Japanese variety that usually flowers pink. It produces enormous flower trusses in great numbers. The plant increases in size and flowering ability each year and is the ideal variety for planting extensively at the seashored

21/	2-in.	Pot	Plants		\$0.25	\$2.00	\$12.50
4	**	"	**		.40	3.50	25.00
6	"	"	"		.60	5.00	40.00
8	"		"	• • • • • • • • • • • • • • • • • • • •	1.00	11.00	
10	"	Tub	"	• • • • • • • • • • • • • • • • • • • •	1.75		
12					3.25		

STANDARD FRENCH VARIETIES

Avalanche. Large head; pure white flowers. A real beauty when in full bloom.

Botaniste Peltereau. Fringed flowers of gigantic size, of a brilliant lavender-pink color.

Bouquet Rose. Very large flower heads of a uniform shape. When first opened the flower is a shade of amber, which later turns to a brighter pink.

E. G. Hill. Considered the best pink, producing enormous flower trusses. The color in this variety remains perfect for a long while.

General de Vibraye. One of the very best, with enormous flower heads of a bright rose color. It is quite early, flowering with Madam E. Moulliere, to which it is an excellent contrast in color.

Madame Maurice Hamar. Large trusses of a delicate flesh-pink shade.

Monsieur G. Renault. Very free flowering type, blooming somewhat earlier than the rest. The flower has a slight reflex of carmine, while the body of the bloom is rich pink. 5 in. pot plants.

Mme. Emile Moulliere. This is the best of the newer kinds, bearing gigantic trusses with immense florets, the latter being often 2 inches in diameter. Pure white, with rich carmine eye.

Radiant. Brilliant rose pink, much brighter and showier than others of the same color. Strong 4 in. pot plants.

Souvenir de Mme. Chautard. Of dwarf, compact habit, with

brilliant rose-colored flower trusses.

La Lorraine. Gigantic flowers and trusses pale rose pink, changing to a rich pink.

Prices of any of the above varieties

		111005	OI as	ny or t	пе ас	ove var	ICTIC.	3.	
ľ						Each		Doz.	100
2½-in.	Pot	Plants				\$0.25	\$	2.00	\$12.50
4 ''	44					.40		3.50	25.00
0	"							5.00	40.00
								following	
in 10-i	nch v	wooden	tubs:	Gen'l	de V	ibraye,	Ava	lanche, B	ouquet

Rose, Radiant, Mad. E. Moulliere. \$2.50 each.

NOTE ABOUT BLUE HYDRANGEAS

Blue is a color that is not fixed in this class of plants, it is controlled sometimes by climatic, and other times by soil conditions, we cannot supply blue flowering hydrangeas, but refer to our suggestion above as to how they can be changed to this color at times

Many of these are grown by ourselves, others for us by specialists and are thrifty specimens which will invariably give fine results. As readily seen from the title they are not hardy, being for the one season's display only with the exceptions of a few. Plants of this kind cannot well be mailed as we send out strong specimens, which travel best by express.

ABUTILONS (Bell Flower)

Splendid plants to be used as a close setting or around a bed of cannas or other tall growing plants.

Boule de Neige. Pure white.

Golden Fleece. Very large flower; pure yellow. Savitzi. Green and white foliage, with white flower. Vesuvius. Rich red flower, with deep red veins.

Extra strong plants, 3-inch pots, 15c. each; doz., \$1.50; \$10.00 per 100.

ACALYPHA

Macafeana. Plants growing 2 feet high, with beautiful red and bronze foliage, showing up well against a green background of cannas, caladiums or ricinus. Extra strong plants, 3-in. pots, 15c. each; doz., \$1.25; \$8.00 per 100.

ACHYRANTHES

Excellent for edging beds of various kinds; make a fine show against a green or yellow background; grow about 12 inches high; very compact.

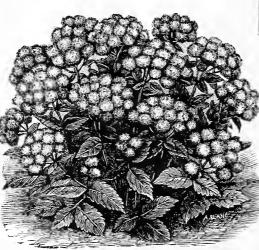
Acuminata. Purplish bronzy foliage. Brilliantissima. Crimson foliage; very bright.

Extra strong plants, 3-inch pots, 15c. each; doz., \$1.25; \$8.00

AGERATUM (Floss Flower)

These are one of the freest of flowering annuals and can be adapted to many purposes. As an edging in a garden border few plants surpass it. Flower heads very large. Plants to inches high; ideal for massive bedding or edging.

Blue Perfecand tion White Perfection, 3inch potplants, 15c. each; doz., \$1.25; \$8.00 per 100.



Ageratum Blue Perfection

ALTERNANTHERA

Used principally for carpet bedding effects and edgings; fine for working out in designs; of very dwarf growth, being about 4 inches high.

Aurea Nana. Green and yellow; mottled foliage. Brilliantissima. Red, with a slight trace of green. 3-inch pot-plants, 12c. each; doz., \$1.25; \$7.00 per 100.

ALYSSUM

Little Gem. Pure white flowers, dwarf compact plant, desirable for edging, flowering all season; 6 inches high, 3-inch potplants, 12c. each; \$1.20 doz.; 100, \$7.00.

ANTIRRHINUM (Snapdragon)

A very effective plant for massive bedding and border planting, also much used in Italian Gardens. If flowers are cut off after blooming they will continue until frost. In separate colors as follows:

Giant White, Pink, Yellow and Scarlet. Each color separate. Extra strong, 4-inch pot-plants, 15c. each; doz., \$1.60; \$12.00 per 100.

BEGONIAS (See cut, page 131)

Erfordi. Of the same habit as Vernon, but having bright pink flowers which almost hide the foliage during the whole summer. 3-inch pot-plants, 15c. each; doz., \$1.25; \$9.00 per 100.

Gracilis Luminosa. A splendid edging

variety with bronzy red foliage and brilliant coppery scarlet flowers, very free blooming, of same habit as Vernon. 3-inch pot-plants, 20c. each;

\$1.50 doz.; per 100, \$10.00.

Tuberous Root Few people realize the gorgeous effects produced by these plants. It is much more satisfactory to buy them started, ready to set out in May, than to plant out the dormant bulbs. They are usually in flower, when ready to ship, and a continuous mass of bloom until frost. Especially are they fine for planting in shaded locations. Strong extra large 4-inch pot-plants, Single Mixed, 20c. each; doz., \$2.00; \$12.50 per 100. Double Mixed, 25c. each; doz., \$2.50; \$15.00 per 100.

Vernon. Bright red flowers, compact dwarf plant, one of the best and most effective bedding plants either for edging or massive bedding. 3-inch pot-plants, 15c. each; \$1.25 per doz.;

100, \$9.00.

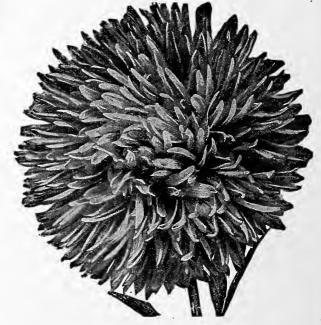
G. de Chatelaine. Beautiful rose pinh variety, growing about 8 inches higk; splendid for summer bedding; also for winter blooming indoors, 3-inch pots. 25c. each; doz., \$2.50; \$15.00 per 100.



Antirrhinum

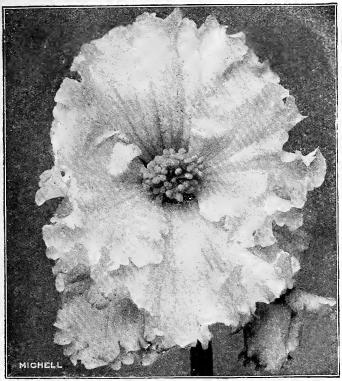
MICHELL'S SUPERB ASTERS (Giant Flowering)

We grow a large stock of these in separate colors, Pink, Scarlet, White and Blue. Extra strong 3-inch pot-plants. 8c. each; doz., 75c.; \$5.50 per 100.



Michell's Giant Flowering Branching Asters

SPECIAL NOTICE.—While we aim as far as possible to make one shipment of seeds, plants and bulbs ordered at one time, this is not always possible, we find by making separate orders and shipments of plants, the orders are dispatched usually quicker, customers will please understand when separate shipments are made it is in their interests to do so.



Tuberous Rooted Begonia Flower (See page 130 for Price of Plants)

CALADIUM (Fancy Leaved) (Ready in June)

For producing tropical effects, planted in shaded places; beautifully marked foliage; named varieties. Plants, 50c. each; doz., \$5.00.

CALENDULA (Pot Marigold)

These somewhat resemble a double daisy, are fine for cutting, flowering all summer.

Orange King. Very deep orange.

Sulphurea. Light sulphur yellow.

Strong 3-inch pot-plants, 12c. each; doz., \$1.25; \$8.00 per 100.

CANNAS

On page 115 to 117 will be found a complete list of up-todate varieties. The standard sorts of our selection in your choice of color. Extra strong plants, 20c. each; doz., \$1.75; \$12.00 per 100.

CENTAUREA (Dusty Miller)

For edging flower beds and borders.

Gymnocarpa. Broad silvery foliage.

Strong 3-inch pot-plants, 12c. each; doz., \$1.25; \$8.00 per 100.

CENTAUREA (Corn Flower)

Cyanus Double Blue. The favorite boutonniere of the business man, rich bright blue; get a dozen plants for your garden. 3-inch pot-plants, 12c. each; doz., \$1.25; 100, \$7.00.

The popular beefsteak plant so commonly used for edging canna and geranium beds. Making a fine show from early spring till frost.

Verschaffelti. Dark crimson foliage.

Golden Bedder. Rich canary yellow foliage. Queen Victoria. Red, with yellow edge.

Fire Brand. Brilliant reddish brown.

Speciosa. Green and gold; very showy.
3-inch pot-plants, 10c. each; \$1.00 per doz.; per 100, \$6.00.

COSMOS

Michell's Giant Flowering Strain, producing enormous long stemmed flowers late in the autumn.

Pink, White, Red, each color separate. 3-inch pot-plants, 10c. each; doz., \$1.00; \$6.00 per 100.

DAISY, ENGLISH GIANT FLOWERING

(Ready in April)

These are especially desirable for early spring bedding before it is possible to set out most other plants. Intermingled with Pansies and Forget-Me-Nots (the latter being set out at the same time); they form an attractive combination.

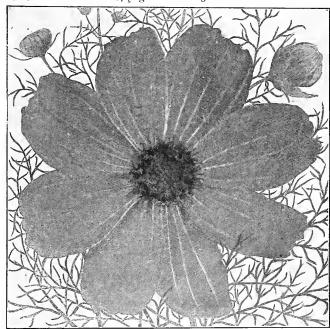
Pink, White, Red, each separate, 10c. each; \$1.00 per doz.; per 100, \$7.00.

DRACAENA (Fountain Plant)

Indivisa. Attractive, used as a centrepiece for a round bed, urn or vase and in cemetery work; light green foliage. Strong plants, 5-inch pot-plants, 50c. each; \$5.50 doz. 6-inch pot-plants, 75c. each; doz., \$8.00. 7-inch pots, \$1.25 each; doz., \$13.50.

DAHLIA PLANTS

Offered under Dahlias, pages 118 to 123 inclusive.



Michell's Giant Flowering Cosmos (See above for Prices)

FUCHSIA (Lady's Ear Drop)

The pretty bell flowers, both single and double, appear abundantly. The plants should be set in a semi-shaded location.

Elegans. White and rose. Carmen. Soft violet rose.

Drude. Double rose.

Diamant. Double white.

Jos. Rojain. Double sky blue, striped red.

Patrie. Double pure white.

Marinka. Beautiful rich red.

Speciosa. Orange scarlet, white sepals. Any of the above Fuchsias, 3-inch pots, 15c. each; doz., \$1.50; 100, \$10.00.

NOTE—Our stock of Bedding Plants are large and thrifty speci-mens and we prefer not to ship by parcel post, they usually are de-layed in transit and arrive in bad order despite the care we use in packing. Orders shipped by express arrive not only quicker and in better order but permit us to give the very best quality for size, etc.

GERANIUMS

Our stock of these except Mad. Salleroi is in 4-inch pots, very bushy, well shaped, carefully grown. Mad. Salleroi variety is in 3-inch pots.

Alphonse Ricard. Bright scarlet, double, large

flower trusses.

Beaute Poitevine. Salmon pink, very double; one

of the finest of the double kinds.

Helen Michell. Bright rich scarlet, producing gigantic flower trusses; to date the very best of its color. 4-in pot plants ready in May, 25c. each; doz., \$2.50; \$17.50 per 100. La Favorite. Double, pure white.

Variegated leaves, used extensively Mme. Salleroi. for edging and for this purpose flowers should be removed, as they are too small for effect.

Mrs. E. G. Hill. Soft salmon pink, single flowers.

Mrs. Lawrence. Bright salmon pink, dwarf, compact grower. Excellent as a bedder and indispensable as a pot plant.

Rose Geranium. Grown for its scented foliage, ideal for cutting to mix with other flowers. S. A. Nutt. Rich crimson, double.

Price (except where noted) of any of the above Geraniums, extra fine stock, 4=inch pots, 15c. each; doz., \$1.50; \$12.00 per 100.

Note.—Be sure and try at least a few Geraniums "Helen Michell," it is the best and freest bloomer in its class.

HELIOTROPE (See Cut Below)

This is a fine bedding plant, being a mass of flowers all summer; the fragrance cannot be approached by any other annual plant. As a cut flower it fills an important place.

Centefleur. Large trusses of rich deep violet blue. La Duse. Enormous deep blue flower heads.

4-inch pot-plants, 15c. each; doz., \$1.50; 100, \$10.00. HYDRANGEA (For Bedding, etc., See Page 129) IVY (German or Parlor)

Fine for window boxes, hanging baskets, etc.; green foliage; 3-inch pots. 12c. each; doz., \$1.20; \$7.00 per 100.



Geranium, Helen Michell

LANTANA

Excellent bedding plants, thriving best in the full sun; the shades of orange and yellow, so effective in bedding, are found in these plants only. 3-inch pot plants. Crusalis. Pure yellow.

Eole. Yellow shading to bright rose.

Radiation. Brilliant red with orange yellow centre. 12c. each; doz., \$1.25; \$8.00 per 100.

LEMON VERBENA (Aloysia Citriodora)

Pointed green lemon scented foliage, fine for mixing among cut flowers; as a winter house plant these are also very satisfactory. 3-inch pots. 15c. each; doz., \$1.50; \$10.00 LOBELIA

Blue flowering plant, for edging and hanging baskets; when ordering, state purpose for which they are desired.

Compacta. For bedding, edging, etc. 3 in. pot plants. 12c. each; doz., \$1.20;

\$6.00 per 100.

Speciosa. Trailing variety for baskets, urns, etc. MARIGOLD

These are favorites in all old-fashioned gardens, in bloom from early summer until

frost. Eldorado. Orange yellow.

Lemon Queen. Lemon yellow. Strong 3-inch pot-plants, 12c. each; doz., \$1.20; \$7.00 per 100

MIGNONETTE

Sweet scented; fine for cutting or bedding. Extra strong 4 in. pot plants, 15c. each; \$1.50 doz.; per 100, \$10.00.

MYOSOTIS (Forget-Me-Not)

Ready after April 10th. Stock usually exhausted May 15th. Alpestris Victoria. Dwarf blue.
Palustris Semperflorens. Tall blue.

Strong plants of the above, 10c. each; doz., \$1.00; 100, \$7.00.



Heliotrope La Duse, Showing its Gigantic Flower Heads (See Pri

Michell's Strain of Giant Exhibition Pansies are hard to equal elsewhere.

SALVIA (Scarlet Sage)

No show of flowers can equal that produced by Scarlet Sage, it makes a blaze of color when massed or planted in beds that can be recognized at a great distance.

Bonfire. The best dwarf bedding variety. Strong 4-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100.

TEN WEEKS STOCKS (GILIMOWER)

Sweet-scented flowers, which are fine for cutting, or as a bed or border plant

they are splendid.

Double Pink, White, Blue and Red. In separate colors. 4-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100. **TRADESCANTIA**

Zebrina. An old-fashioned hanging basket and window box plant, with silvery gray and red foliage. 3-inch pot-plants, 12c. each; doz., \$1.25; \$7.50 per 100.

MUSA ENSETE (Abyssinian Banana)

Excellent as centrepieces for large beds or individual specimens on the lawn; light green wavy foliage of enormous size. The plants in the autumn In May they can be set out again, when they will break out into foliage, increasing each year in size and beauty. 4-inch pot plants, 40c. each; 5-inch pot plants, 60c. each; 7-inch pot plants \$1.50 each.

NASTURTIUMS

These are a mass of bloom all summer, and can be used for planting large beds or borders. Dwarf varieties in mixture. 4 in. pot plants. 15c. each; doz., \$1.50; \$10.00 per 100.

PANSIES

Michell's Giant Exhibition Strain. It has often been remarked by customers that nowhere else can our Pansies be equaled for size of bloom and rich colors. Fine large plants in bud and bloom in mixed colors only, ready after April 1st, \$1.25 per doz.; 25 for \$2.25; 100, \$9.00. Stock usually exhausted after May 15th.

PETUNIAS

Of the annual flowers, this is probably the most universally used; it can be put to a variety of uses, for bedding, baskets, window boxes or urns; they flower continuously.

Giant Single Strain. In mixed colors. 3-inch pot-plants, 12c. each; doz., \$1.20; \$7.00 per 100.

Double Petunias in named sorts. 3-inch pot-plants, 15c. each; doz., \$1.50; \$12.00 per 1.00.

PHLOX DRUMMONDI

.These are a splendid bedding or border plant.

Dwarf. Red, White, Pink each separate. 3-inch pot-plants, 12c. each; doz., \$1.00; \$6.00 per 100.

PYRETHRUM

For edging flower beds and borders: very attractive.

Aureum. Fine light yellow foliage. 3-inch pot-plants, 12c. each; doz., \$1.25; \$8.00 per 100.

RICINUS (Castor Oil Plant)

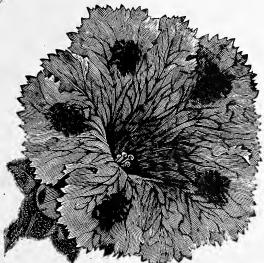
These make stately plants for lawn effects, or for screening undesirable views; it is claimed they keep moles

Borboniensis. Green foliage; grows 15 feet.

Gibsoni. Deep red leaves; grows 15 feet.

Zanzibarensis. Green and red foliage; grows 15 feet.

4-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100.



Michell's Strain of Giant Flowering Single Petunias

VERBENAS

One of the freest flowering of summer annuals; a bed of

Verbenas of any color make a beautiful show.

White, Pink, Blue, Scarlet, each color separate. Strong 3-inch pot plants, 12c. each; doz., \$1.20; \$7.00 per 100.

VINCA

Rosea. This is the flowering type used for bedding or vases; a bed or border planted with these is a beautiful sight; they are not used as extensively as they should be; for

either full sun or in partial shade they are well adapted. Pink, White, Pink with White Eye, each color separate. 4-inch pot plants, 15c. each; doz., \$1.75; \$12.50 per 10o. Major Variegata. A trailing plant used for hanging baskets and window boxes; green foliage mottled white. Extra strong 4-inch pot-plants, 25c. each; doz., \$2.50; 10o, \$18.00.

Michell's Giant Robusta Strain in mixed colors. 3-inch pot-plants, 12c. each; doz., \$1.25; \$8.00 per 100.

NOTE ABOUT PLANT QUALITY

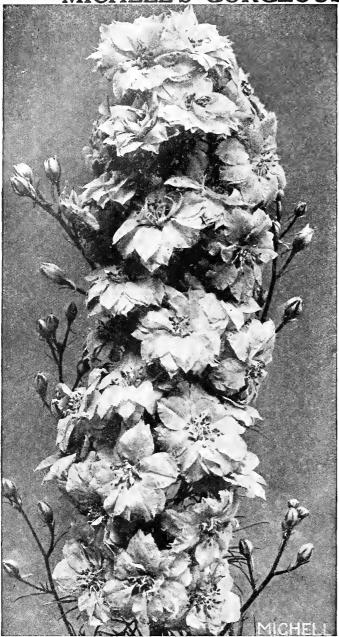
Attention is called to our facilities for supplying bedding plants in any quantities, also to the fact that our plants will be found larger and more thrifty than those usually sent out.



A Salvia Plant when in bloom



Ten Weeks Stocks



Delphinium, "King of Delphiniums" On account of the important part Hardy Larkspurs play in perennial plantings, it occurred to us that a brief treatise on their culture, which follows, might be of assistance to our customers. The plants can be set out in the spring when the ground has opened permanently. Pot-grown specimens can be successfully planted from then on up until the first of November. In view of the wonderful display that Larkspurs make, it is worth while to exercise care in locating a most suitable position and in the preparation of the ground. Latter should have a good natural drainage. Never use animal manure in planting Delphinium, unless it has been incorporated in the soil a year before planting. Pure bonemeal is the best fertilizer in promoting growth. Apply with it also some wood ashes; the latter will assist in holding in check earth grubs, which at times attack the roots and crowns of the plant. In order to keep Larkspurs in bloom continuously during the summer, cut the old flower stems off, after they have faded, and new shoots will produce flower heads successfully. To get the best out of hardy Larkspur in the way of flowers, feed them occasionally during the growing season with an application of ground bone. A slight covering of long straw or leaves over the crowns of the plants during winter will prove a great benefit.

Bella Donna. The freest and most continuous blooming of all. The clear turquoise-blue flowers are not surpassed by any. 25c. each; doz., \$2.50; \$17.50 per 100.

Belladonna Semi-Plena. The finest of all light blue Lark-

spurs. The majestic spikes are covered with flowers of gigantic size, the latter appearing in several rows on the stem. Planted amongst the dark blue kinds it makes a charming

effect. 30c. each; doz., \$3.00; \$20.00 per 100.

Capri. The origin of this variety is from the same source as the wonderful sort Moerheimi, to which it is an elegant companion. The immense sky blue flowers are a rich attraction to any garden. Extra strong plants, 40c. each; doz., \$4.00; \$30.00 per 100.

Chinense Album. Same as below in white. 20c. each; doz.,

\$2.00; \$12.00 per 100.

Chinense Azureum. Plants grow but 2 feet tall, branch freely, each branch terminating with a loose spray of single flowers; color, a deep clear blue. 20c. each; doz., \$2.00; \$12.00 per 100.

Formosum. Dark blue, white centre, spikes 3 to 4 feet tall, vigorous; free blooming. 20c. each; doz., \$2.00; 100, \$12.00.

Formosum Coelestinum. Most beautiful heavenly blue, im-

mense flowers. 20c. each; doz., \$2.00; \$12.00 per 100.

Gold Medal Hybrids, Mixed. No finer strain has ever been produced; the plants we offer are a re-selection from a choice

collection. 20c. each; doz., \$2.00; \$15.00 per 100.

Hugo Poortman. Novelty with enormous flat semi-double flowers well placed on the spike and of a beautiful pale blue

color, quite distinct. 50c. each; doz., \$5.00.

Johannesburg. Semi-double, delicate sky-blue, with rose sheen; large spikes; free bloomer. 50c. each; doz., \$5.00.

King of Delphiniums. Remarkably strong, vigorous plants with flowers of gigantic size, semi-double, deep blue, white

eye. 50c. each; doz., \$5.00.

K. T. Caron. Bright gentian blue, with white centre; the white

eye is very prominent. 35c. each; doz., \$3.50.

La Martine. One of the older types of great beauty. The single, dark blue flowers are densely arranged on tall erect stems. It is one of the most decorative of the hardy Larkspurs. 25c. each; doz., \$2.50; \$17.50 per 100.

Lilacina. Splendid variety of a rosy-lilac and pale blue; large

white centre. 50c. each; doz., \$5.00.

Fine, tall, well-branched plant; spikes of single flowers, often 2 inches across; color azure blue, with a distinct yellow eye. 35c. each; doz., \$3.5o. Michell's New Hybrids. Mixed; see color plate opposite

page ; these are the cream of seedlings from a famous strain

of English varieties. 25c. each; doz., \$2,50; \$17.50 per 10o.

Moerheimi. The first and only real pure white hardy Larkspur. It grows 3 to 4 feet high, and flowers continuously from June until autumn, and produces more spikes on a single plant than any other variety. The flowers are of the purest

white. Stock limited. 30c. each; doz., \$3.00; \$20.00 per 100.

Mrs. J. S. Brunton. Its beautiful flowers are of the finest skyblue in the style of "Belladonna" but larger. It does not grow higher than 3 to 4 ft. and produces an immense quantity of

long, graceful spikes. 50c. each; doz., \$5.00.

Thompson. Deep blue flowers, each with a large, white eye. It blooms with wonderful freedom and produces spikes of medium length, with dense flower heads. 25c. each; doz., \$2.50; \$17.50 per 100.

assau. The flower heads appear all season uninterruptedly,

the individual blooms are often 2 inches across; the shade is a clear heavenly blue. The plant grows 4½ to 5 feet high and is very stately. 35c. each; doz., \$3.50; \$25.00 per 100.

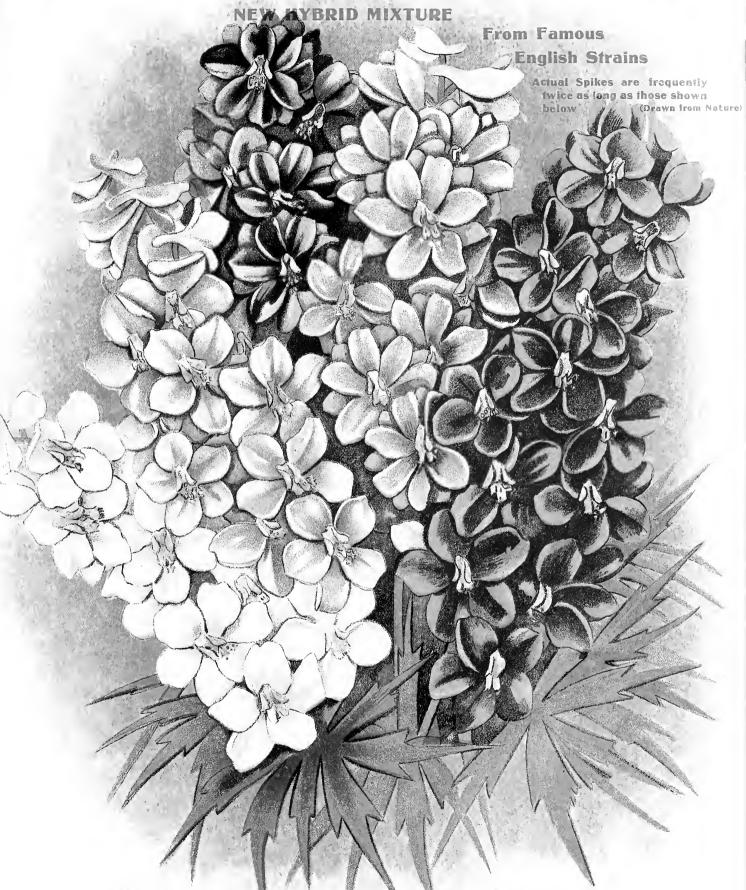
Persimmon. Of handsome form, with strong erect spikes of large single flowers of a lovely sky blue shade, with a creamy white eye; a real improvement on Belladonna. 35c. each, doz. \$3.50.

Queen Wilhelmina. A recent introduction. The gigantic flower spikes are laden with light lavender-blue flowers, shaded rose. A distinct white eye in each floret sets it off wonderfully. 35c. each; doz., \$3.50; \$25.00 per 100.

Rev. E. Lascelles. One of the finest Delphiniums with bold spikes and large double flowers with white and blue centre, well placed on the spike. Height, 5 to 6 ft. \$1.00 each.

The Alake. The semi-double flowers are very large, the outer petals are intense dark blue, the inner ones violet. The white petals are intense dark blue, the inner ones violet. The white eye gives a fine set off to this magnificent variety. \$1.00 each. Theodora. The flower is a real azure blue; the individual blossoms are loosely arranged on tall erect spikes; a very fine variety. 25c. each; doz., \$2.50; \$17.50 per 100.

Michell's Hardy Larkspurs



Price for strong plants, which will bloom the first season 30c. each; dozen, \$2.50; \$17.50 per 100



MICHELL'S POT-GROWN HARDY ROSES 135

A COMPLETE LIST "ARRANGED FOR THE BUSY MAN AND WOMAN"

On this page is an alphabetical list of roses on Pages 136 to 147, inclusive, denoting the type, color and price and page on which full description may be found. T. indicates Tea Variety, H. T. indicates Hybrid Tea Variety, H. P. indicates Hybrid Perpetual, Cl. indicates Climbing Variety, B. R. indicates Baby Rambler, M. indicates Moss Variety, Br. indicates Briar, Wich. indicates Wichuriana.

	See			P	rice	See	Pri	ce
American Beauty	Page	Туре Н. Р.	Color Pink	Each \$0.60	Doz. \$6.00			Doz. \$6.00
American Beauty	142 144	C1,	Pink	.60	6.00	Lady Pirrie 138 H. T. Salmon .	.60 ¢	6.00
American Pillar	144 146	C1. B. R.	Pink Pink	.50	5.00 5.00		.60	6.00 12.00
Antoine Rivoire	138	Н. Т.	Pink	.50 .60	6.00	La France 144 Cl. Rose .	.25 .60	6.00
A. R. Goodwin	141 140	Н. Т. Н. Т.	Orange Red	.6o .75	6.00 7.50		.60 .60	ნ.იი 6.ია
Autumn Tints	140	н. т.	Red	.75	7.50	Louise Walter 146 B. R. Pink .	.50	5.00
Aviator Bleriot	145 142	Cl. H. P.	Yell o w Red	.60 .60	6.00 6.00		.60 .60	6.00 6.00
Baroness Rothschild	142	H. P.	Pink	.60	6.00	Mme. Caroline Testout (Half		
Belle Siebrecht Bessie Brown	138	H. T. H. T.	Pink White	.60 .60	6.00 6.00	Standard) 143 H. T. Rose 1. Mme. Caroline Testout (Stan-	.50	15.00
Betty (Half Standard)	37-138	H. T. H. T.	Pink Pink	.60	6.00	dard) 143 H.T. Rose I.		12.90
Blanc Double de Coubert	143 144	Rugosa	White	1.50 .50	5.00		.60 .60	6.00 6.00
Blanche Moreau British Queen	144 140	М. Н. Т.	White White	.6o •75	6.00 7.50	Mme, Edouard Herriot 140 H.T. Red .	.60	6.00
British Queen (Half Standard)	143	H. T.	White	1.75	17.50	Mme. Edouard Herriot (Half Standard) 143 H.T. Pink 1.	.50	15.00
Captain Christy Cecile Brunner	142 146	H. P. B. R.	Pink Pink	.60 •50	6.00 5.00	Mme. Gabriel Luizet 142 H. P. Pink	.60	5.00
Chateau de Clos-Vougeot	140	H. T.	Red	.60	6.00	Mme. Jules Grolez 138 H.T. Rose .	.50 .60	6.00
Christine Wright	140 144	H. T. Cl.	Red Pink	.60	6.00 6.00		.60 .60	6.00 6.00
Clio	142	H. P.	Pink	.60	6.00	Mme. Norbert Levavasseur 146 B. R. Crimson	.50	5.00
Clotilde Soupert	138 138	Н. Т. Н. Т.	Pink Pink	1.00	9.00		.60 .50	6.00 15.00
Conrad F. Meyer	144	Rugosa	Pink	.50	5.00	Mme. Segond Weber	.60	6.00
Constance	142 138	Br. H. T.	Yellow Pink	.50 .60	5.00 6.00		.60 .60	6.00
Crested Moss Crimson Globe	144 144	M. M.	Pink Crimson	.60 .60	6.00 6.00		.60 .60	6.00
Crimson Rambler	145	C1.	Crimson	.60	5.00	Margaret Dickson 142 H. P. White	.60	6.00 6.00
Dean Hole	138	H. T. H. T.	Pink Yellow	.60 .60	6.00	Marquise de Sinety 141 H.T. Yellow	.60 .60	6.00 6.00
Dorothy Perkins. Dorothy Perkins, Pink. Dorothy Perkins, White.	143	Standard	Pink	1.25	12.00	Mevrouw Dora van Tets 140 H.T. Crimson .	.75	7.50
Dorothy Perkins, Pink Dorothy Perkins, White	145 145	Cl. Cl.	Pink White	.60 .60	5.00		.60 .60	6.00 6.00
Duchess of Wellington	141	Н. Т.	Yellow	.60	6.00	Mrs. Aaron Ward 137-141 H. T. Yellow	.6 0	6.00
Duchess of Westminster Duchess of Sutherland	138	H. T. H. T.	Rose Pink	.60 .60	6.00 6.00		.25 .75	7.50
Earl of Gosford	140	H. T. H. T.	Red Pink	.60	6.00	Mrs. Archie Gray 141 H.T. Yellow	.75	7.50
Earl of Warwick Edgar M. Burnett	138 138	H. T.	Pink	.60 1.00	6.00 9.00		.60 .50	6.00 15.00
Edward Mawley Ellen Poulsen	140	H. T. B. R.	Crimson Pink	.60 .50	6.00 5.00	Mrs. Chas. E. Pearson 141 H. T. Apricot	-75	7.50
Erna Terschendorff	146	B. R.	Scarlet	.50	5.0c	Mrs. David Jardine 138 H.T. Pink	·75 .60	6.00
Etoile de France Etoile de Lyon	140 141	H. T. H. T.	Red Yellow	.60 .60	6.00 6.00	Mrs. F. W. Vanderbilt 141 H. T. Orange Mrs. Geo. Shawyer 138 H. T. Pink	.75 .60	7.50 6.00
Excelsa	145	Cl.	Crimson	.6 o	5.00	Mrs Geo. Shawyer (Half Stan-		
Farben Königin	143	Standard H. T.	Crimson Pink	1.25 .60	6.00		.50 -75	7-50
Fisher Holmes	142	H. P.	Red White	.60	6.00	Mrs. John Laing 142 H. P. Pink	.60	6.00
Florence Forrester	140 145	H. T. Cl.	Crimson	•75 .60	7.50 5.00		.75 .60	7.50 6.00
Flower of Fairfield Frau Karl Druschki (Tree) Frau Karl Druschki	143	H. P. H. P.	White White	1.25 .60	6.00	Mrs. Sam Ross 141 H. T. Yellow	.60 .60	6.00 6.00
Gardenia	142	Wich	Yellow	.40	4.00	Mrs. W. Cutbush 146 B. R. Pink	.50	5.00
General Jacqueminot	142 140	Н. Р. Н. Т.	Crimson Scarlet	.60 .60	6.00 6.00		.6o -75	6.00 7.50
General McArthur (Half Stan-						My Maryland 139 H. T. Pink	.6 0	6.00
dard)	143 142	H. T. H. P.	Scarlet Pink	1.50 .60	6.00		·75 .60	7.50 6.00
Geo. C. Waud	37-140	H. T. H. T.	Red Red	.60 .60	6.00 6.00	Orleans 146 B. R. Red	.50 .60	5.00
Geo. Elger	146	B. R.	Yellow	.50	5.00	Paul Neyron (Standard) 143 H. P. Deep Rose 1.		6.00
Gloire de Dijon	144 142	Cl. H. P.	Salmon White	.60 .60	6.00 6.00	Persian Yellow 142 Br. Yellow	.50 .50	5.00
Gruss an Teplitz	140	H. T.	Red	.60	6.00	Prince Camille de Rohan 142 H. P. Maroon	.60	6.00
Harry Kirk	143	Н. Т. Н. Т.	Red Yellow	1.25 .60	6.00		.60 .60	6.00 6.00
Hermosa	138	Н. Т.	Pink	.50	5.00	Queen Mary 141 H. T. Lemon .	-75	7.50
Hiawatha Hugo Roller	145 139	Cl. <u>H</u> . <u>T</u> .	Scarlet Lemon	.60 .60	5.00 6.00	Red Radiance 140 H. T. Red	·75	7.50 7.50
J. B. Clark (Standard) Jessie Jonkheer J. L. Mock	143 146	H. P. B. R.	Scarlet Red	1.25	12.00 5.00	Richmond 140 H.T. Red	.60	6.00 15.00
Jonkheer J. L. Mock	138	Н. Т.	Pink	.60	6.00	Rugosa Alba 144 Rugosa White .	.40	4.00
Jos. Hill	138	H. T. Br.	Salmon Red	.60 .50	6.00 5.00		-40 -75	4.00 7.50
Kaiserin Augusta Victoria1	37-140	Н. Т.	White	.60	6.00	Soleil d'Or 142 Br. Yellow .	50	5.00
Kaiserin Augusta Victoria Kaiserin Augusta Victoria (Stan-	144	Cl.	White	.60	6.00	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.60 .60	6.00 5.00
dard)	143 146	H. T. B. R.	White White	1.25	12.00	Souvenir de Pierre Notting 141 H. T. Yellow .	.60	6.00
Katherine Zeimet	138	Н. Т.	Pink	.50 .60	5.00 6.00	Sunburst Yellow .	.60 .60	6.00 6.00
Killarney Pink (Standard) Killarney Pink	143 144	H. T. Cl.	Pink Pink	1.25 .60	6.00	Tausendschoen143-145 Cl. Pink	.60 .25	5.00 12.00
Königin Carola	139	Н. Т.	Rose	.60	6.00	The Lyon 141 H.T. Yellow .	.60	6.00
Lady Alice Stanley	37-138 143	H. T. Standard	Rose Red	.75 1.50	7.50		.60 .25	6.00 12.00
Hadley	140	H. T. Standard	Red Scarlet	1.00	10.00	White Killarney 140 H.T. White .	. 60	6.00
Hoosier Beauty	143 140	H. T.	Red	I.25 I.00	12.00		.40 .40	4.00
H. V. Machin Iona Herdman	,140 141	Н. Т. Н. Т.	Crimson Orange	I.00	10.00	Willowmere 140 H. T. Red .	.60	6.00
Lady Ashtown (Climbing)	144	C1.	Pink	.60	6.00	Wm. Shean 139 H.T. Pink	.75 .60	7.50 6.00
Lady Ashtown Lady Gay	37-138	H. T. Cl.	Pink Pink	.60 .60	6.00 6.00		.60 .50	6.00 5.00
							30	3.00

136 MICHELL'S SUPERB POT GROWN ROSES

The opposite illustration shows one of our rose storage houses, where the plants are put, after being potted, in the late autumn, to develop under ideal, natural conditions. There is just sufficient heat in them to temper the atmosphere in extremely cold weather and as a consequence roses wintered under these conditions are almost in the same dormant state as those grown naturally outdoors. As the weather becomes mild in the spring, the sashes are taken off the houses and the plants are allowed to develop until sold. We have five houses like this, being 120 feet long by 22 feet wide. They have a combined capacity of approximately 125,000 rose plants in 6-inch pots.



One of Our Rose Storage Houses, 120 feet long, 22 feet wide

THE ROSARIAN'S CALENDAR OR HOW TO GET THE MOST OUT OF YOUR ROSE GARDEN

The following Calendar of work in the Rose Garden is based upon experience in the neighborhood of Philadelphia, and of course is subject to the usual variation of dates according to the distance north or south of Philadelphia. The vagaries of the season must also be taken into consideration. The dates given are relative, not absolute.

- APRIL 1st—Finish the pruning of hardy varieties already planted.
- APRIL 15th to MAY 15th—Plant new hardy roses, pruning new plants rather more severely than those of the same varieties already established.
- APRIL 25th—Finish the pruning of tender varieties as far as possible without uncovering completely, which should be done about 10 days later. Give to all the plants in the beds and to any neighboring pear trees, grape vines or other plants subject to fungoid troubles, a good spraying of BORDEAUX MIXTURE as a preventive.
- END OF APRIL—Roses are generally in leaf. Give the FIRST preventive spraying of READEANA and final touches to pruning.
- MAY 20th—Buds are forming. SECOND spraying of READ-EANA.
- MAY 25th—Earliest roses in bloom now. (Scotch followed by the Luteas). APPLY LIQUID MANURE TO H. P's.
- JUNE 5th—Hybrid Perpetual Roses are now usually in quantity. WATCH FOR ROSE BUGS; spray with READEANA.
- JUNE 10th—THIRD spraying with READEANA for Rose Bug treatment, is necessary. APPLY LIQUID MANURE TO H. T's and TEA VARIETIES.
- JUNE 20th—Hybrid Teas and Teas are now at their height in quantity. WATCH FOR ROSE BUGS and for mildew; treat the latter with FUNGINE.
- JULY 1st-FOURTH AND LAST spraying with READEANA.

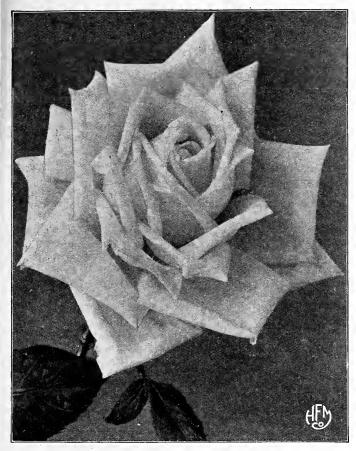
- JULY 10th—Rose Bugs usually disappear. Commence regular applications for black spot, (if a wet season); with FUNGINE every week, or BORDEAUX MIXTURE every twenty-four days, this treatment depending wholly on weather and appearance of foliage, and lasting, if necessary, to August 20th.
- JULY 20th—Hybrid Teas and Teas bloom is now decreasing.

 Mulch beds by this date at the latest with cow
 manure or with peat moss.
- AUGUST 30th—Hybrid Teas and Teas, second bloom begins, lasting until frost.
- SEPTEMBER 15th—Second bloom of Hybrid Perpetuals begins, but usually it is not very plentiful.
- OCTOBER 15th—Prepare new beds for the next spring planting. Remove from old beds any of the mulch that cannot be forked in.
- **NOVEMBER 15th**—Commence placing long manure protection around roots, tenderest roses first.
- NOVEMBER 30th—Or after a nip or two of decided frost, cover up tender roses for the winter with long straw or straw manure.
- P.S. This calendar was compiled by a very successful outdoor rose culturist in New York. We have modified it to suit the climate adjacent to Philadelphia.

IMPORTANT NOTE

We have found that best results are obtained from Roses set out after May 1st. Plants set out earlier are likely to become mildewed and stunted in growth by reason of the cold nights that exist generally all through the month of April.

MICHELL'S SUPERB POT-GROWN ROSES



Kaiserin Augusta Victoria

MICHELL'S COTTAGE GARDEN COLLECTION

This collection consists of what we from experience believe to be six of the very best varieties. If you have only a limited space in your garden, we strongly urge you to order Michell's Cottage Garden Collection. Every Rose in this collection is everblooming and hardy. This collection is especially valuable for the beginner in Rose culture, whose knowledge of kinds is limited.

Betty. Coppery rose, shaded golden yellow. 6oc. each; doz., \$6.00.

Lady A. Stanley. Deep rose, inner petals pale pink. 6oc. each; doz., \$6.00.

Lady Hillingdon. Deep coppery yellow. 6oc. each; doz., \$6.00.

Laurent Carle. Carmine red. 6oc. each; doz., \$6.00.

Molly Sharman Crawford. Pure white. 6oc. each; doz., \$6.00. Ophelia. Salmon-flesh shaded pink. 6oc. each; doz., \$6.00.

One each of the above Michell Cottage Garden Collection for \$3.00.

THE MICHELL SELECTION

This collection is made up of the best varieties of Everblooming Hybrid Tea Roses, which include the most popular sorts. They comprise the best and most beautiful productions of the famous Rosarians of the world. Every shade and color is represented in this collection. For full description of these varieties see under the respective headings on pages 138 to 141.

Dorothy Page Roberts. Coppery yellow.

Geo. C. Waud. Rich vermilion, shaded orange.

Kaiserin Augusta Victoria. Pure white.

Lady Ashtown. Delicate rose, slightly traced yellow.

Lieutenant Chaure. Velvety crimson.

Mme. Caroline Testout. Bright satiny rose.

Mme. Leon Paine. Salmon, deep orange yellow centre.

Mme. Segond Weber. Soft salmon pink. Mrs. Aaron Ward. Deep Indian yellow.

Mrs. W. C. Miller. Soft peach, shaded salmon.

Radiance. Carmine pink; shaded yellow. 75c. each; doz., \$7.50.

Sunburst. Golden orange.

Price of the above Roses (except where noted) in strong, pot-grown Plants, 6oc. each; doz., \$6.00; \$45.00 per 100.

One each of the above Michell Selection for \$6.00.

PRUNING SHEARS



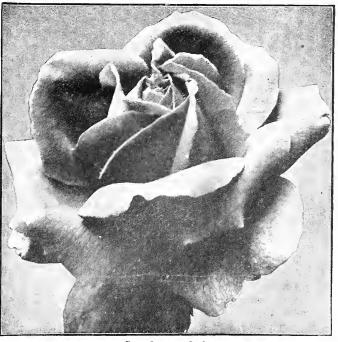
A good pair of these will be found indispensable in the rose garden. On page 211 will be found a complete assortment offered.

No. 109. Wiss Pruning Shears made of solid steel. 8 inches long; \$2.25 per pair. Parcel Post weight, 2 lbs.

ROSE SCISSOR (See opposite)

Cuts flower and holds the stem. Nick-eled. No. 1922; \$1.10.





Rose, Laurent Carle

With proper care these will flower uninterruptedly and profusely from June till heavy frosts. Their foliage is leathery and very clean; the flowers are borne on strong, extra long stems, their fragrance is deliciously sweet. While they are absolutely hardy, we recommend a covering of long old manure, leaves or straw during the winter, also that the soil be drawn up about the plant 6 or 8 inches at the stem. Varieties marked HT are more hardy than the varieties marked T, which indicates the old-fashioned Tea sorts. The latter, on the other hand, flower a trifle more freely, though no disappointment would follow in a selection of either type exclusively.



The Ever Popular Pink Killarney

PINK VARIETIES

HT Antoine Rivoire. Exceptional bedding variety of excellent shape; flesh pink, shaded dark pink with a yellow cast at the base of the petals.

HT Betty. A strong vigorous grower, with deliciously fragrant flowers of a coppery rose color, shaded golden yellow, very

HT Belle Siebrecht. Brilliant pink, with very large flowers, the buds of which are long and tapering.

HT Clotilde Soupert. Properly classified, this rose does not belong under the heading of Hybrid Teas. It blooms from early until frost and even later. The centre is a soft flesh pink, while the outer petals are almost white. For cemetery planting it is the best rose. 5oc. each; doz., \$5.00.

HT Coleen. A very full rose; a brilliant rose pink with deep rose crimson shadings on a creamy yellow ground; very fragrant and a wonderful free bloomer. \$1.00 each; doz., \$9.00.

HT Countess Clanwilliam. Delicate peach pink at the base of the petals, which are flamed and heavily edged with deep cherry red; a beautiful contrast of color, which brings out in great distinctness the strong individuality of this charming rose. Flowers are very large and double.

HT Dean Hole. One of the best roses for midsummer, being loaded with flowers during July and August. The color is very

attractive, being deep salmon pink with tremendous flowers.

HT Duchess of Westminster. One of the new varieties, introduced by Dickson & Sons. The large perfectly formed flowers with a delicate pointed cup are richly scented. It is a strong growing, free flowering variety of clear rose, pink

PINK VARIETIES (Continued)

- HT Earl of Warwick. Soft salmon-pink with a trace of vermillion in the centre.
- HT Edgar M. Burnett. This is one of the sweetest scented roses in cultivation. Flesh colored tinted rose with very large petals. \$1.00 each; doz., \$9.00.
- HT Farben Konigin. Brilliant pink; flower of an enormous size, making an elegant show.
- (Bourbon T) Hermosa. Its compact-growing bush is a mass of bright pink flowers from June till frost. An excellent rose for cemetery plantings. 5oc. each; doz., \$5.00.
- HT Jos. Hill. Splendid as a cut flower, also deliciously fragrant; the color is a pleasing shade of salmon, turning to pink.
- HT Jonkheer J. L. Mock. One of the richest roses in cultivation. The flower is perfect, being a grand shade of deep pink, while the outer petals are silvery rose. A free bloomer.
- HT Killarney. In shape nothing can approach this beautiful rose, its long perfectly shaped bud, which on the outside is of a delicate pink, unfolds a flower with a deeper pink on the
- HT La France. Satiny rose, with reflexed petals, which are of a darker pink on the reversed side.
- HT Lady Ashtown. Delicate rose with a trace of yellow at the petal base. The outer flower leaves expand, while the centre petals remain in exquisite bud form.
- HT Lady Alice Stanley. Deep rose, the inner petals are pale pink; large, fragrant flowers.
- HT Lady Pirrie. Reddish salmon petals shaded apricot inside;
- a splendid variety, having good qualities.

 T Maman Cochet (Pink). In the vicinity of Philadelphia this rose is grown perhaps more than any other on account of its many good qualities. The individual large flowers are often on stems 2 feet long which makes it grand as a cut flower. The shade of color is a "Bridesmaid Pink."
- HT Mme. Abel Chatenay. Carmine rose, shaded deep pink. A strong grower and free bloomer, producing an exquisite bud.
- HT Mme. Caroline Testout. One of the oldest and best varieties. The flowers are of a bright satiny rose shaded deeper in the centre; bud and flower are open or cup-shaped and are very double.
- HT Mme. Edmond Rostand. Flesh, shaded salmon and reddish orange, long elegant bud, which develops into a large globular shaped flower.
- HT Mme. Jules Grolez. A flower with an extremely long pointed bud and of a delicate silvery rose, tinted yellow at the base; very hardy and desirable.
- HT Mrs. Bertram J. Walker. A very distinct clear bright cerise pink; large and very double flowers; a splendid garden rose of greatest merit. \$1.50 each; doz., \$15.00.
- HT Mrs. David Jardine. Immense double flowers are borne on straight long stalks abundantly all summer, but especially free during June and late in the fall, preferring the cooler weather. Color is a magnificent rose-pink, shaded lighter toward the edges.
- HT Mrs. James Lynas. One of the newer varieties, which is worthy of a place in any collection of roses. Color is pearly pink, flushed rosy pink; the flowers are very large and double and beautifully formed. 75c. each; doz., \$7.50. HT Mrs. George Shawyer. The finest pink rose. Wonderfully
- free-flowering; strong, vigorous grower with massive flowers.

SPECIAL NOTE: Prices per 100 on roses will be as follows: Varieties marked \$4.00 per dozen will be \$30.00 per 100 5.00 40.00 6.00 " " 45.00 7.50 " 60.00 9.00 " 65.00 10.00 " 12.00 " " 46 80.00 44 85.00 15.00 " 115.00

Where an order aggregates 25 roses or more, even though in varieties, that are different in price, the 100 rate may be taken in pricing the order.

Prices of Roses on this page (except where noted) strong 2year-old plants 6oc. each; doz., \$6.00; \$45.00 per 100.

PINK VARIETIES (Continued)

HT Mme. Segond Weber. A free-flowering vigorous plant, with large, beautiful flowers; soft salmon-pink.

HT Mrs. R. D. McClure. Vigorous free branching growth, very large, full flowers of exquisite form. Color is a brilliant glistening salmon-pink. Very free-flowering. Awarded Gold Medal of National Rose Society of Great Britain. 75c. each; doz, \$7.50

HT Mrs. W. Christie Miller. Soft peach, shaded salmon Outer petals vermillion rose.

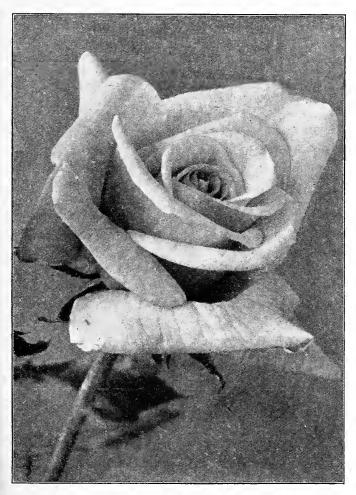
Konigin Carola. Satiny rose, with silvery white reverse petals; long pointed bud, terminating into a large flower.

HT My Maryland. Perfect form and exquisite fragrance. Salmon pink shade, which becomes lighter as the flower opens. It is an elegant grower, and sure to please.

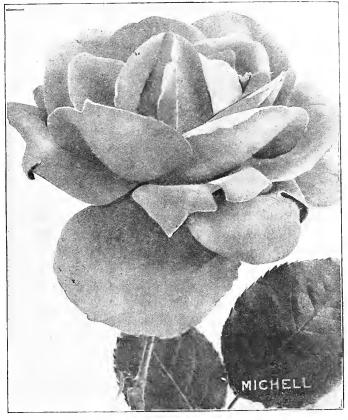
Ophelia. A vigorous grower with salmon-flesh shaded pink flowers, which are of perfect shape and very large; long stiff stems, which make it ideal for cutting

HT Prince de Bulgarie. In this rose one will find a combination of colors that is not duplicated in any other; delicate flesh pink shaded deeper in the centre and suffused salmon. flowers are extremely large and very double.

Radiance. A rose that will please everybody. Beautiful in form and free-flowering. Color is a brilliant carmine pink, shaded yellow at the base of the petals. 75c each; doz., \$7.50. Price of Roses on this page (except where noted), strong 2-year-old plants, 60c each; doz., \$6.00; \$45.00 per 100.



Ophelia



Hybrid Tea Rose, Joseph Hill (see page 138)

Bourbon T Souvenir de la Malmaison. One of the old garden favorites, flowering from early in the season until snow. The flowers are very double deep flesh colored in the centre running to a light pink towards the outer edge. For cemetery planting no variety equals this one. 6oc. each; doz., \$5.00.

HT Souvenir de President Carnot. Handsome large flower on a stiff erect stem. Easily one of the best in the Hybrid Tea class. Color a delicate soft pink changing to white.

HT Wm. Shean. Delicate pink; a large full flower of great size. Continuous bearing throughout the season in profusion of blooms

HT Mrs. Charles Russel. Bright rose pink, deeper toward centre. 75c. each; doz., \$7.50.

Duchess of Sutherland. Large full flower; delicate rose pink shaded yellow.

Hugo Roller. Lemon yellow shaded crimson, free bloomer all season.

T W. R. Smith. Blush white, suffused bright rosy pink, with large, well-formed flowers.

Chester, Pa

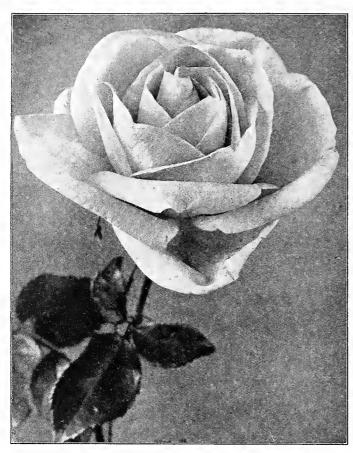
The roses you shipped me were extra fine and especially received in good condition.

B. G. Ladomus.

Washington, D. C.

The roses arrived in fine shape and were in extra good condition. I am very much pleased with them indeed, especially for the care you used in filling my order.

F. L. Schultz



Molly Sharman Crawford

WHITE VARIETIES

HT British Queen. A wonderful new variety, described on page 138. Price, 75c. each; doz., \$7.50.

HT **Bessie Brown.** Free flowering, vigorous grower with gigantic, fragrant flowers. Cream white shade.

HT Florence Forrester. Snow white with lemon tinge, opening to pure white. Very large, perfectly formed flowers with high pointed centre; very free bloomer. A fine exhibition and bedding rose. 75c. each; doz., \$7.50.

Kaiserin Auguste Victoria. A rose that blooms all summer, producing an exquisite well-shaped full flower; the plant is a strong grower and very hardy; one of the best.

T Maman Cochet (White). The exact duplicate of the Pink Cochet except in color, which is white, occasionally tinted pink.

T Molly Sharman Crawford. On opening, the flower is cream colored, which, as the bloom expands, turns to a pure white. We regard it as one of the finest white Tea Roses.

HT White Killarney. Like its sister, it is of peculiar shape; long and pointed when in bud; while the flowers are pure white, they are occasionally flushed pink on the outer edge; although the blooms show but few petals, the open flowers are exceedingly attractive on account of enormous petals.

SPECIAL NOTE: Prices per 100 on roses will be as follows: Varieties marked \$4.00 per dozen will be \$30.00 per 100 5.00 40.00 6.00 45.00 7.50 60.00 " 0.00 65.00 10.00 80.00 12.00 85.00 44 15.00 115.00

When an order aggregates 25 or more, even though in varieties that are different in price, the 100 rate may be taken in pricing the order.

RED VARIETIES

- HT Augustus Hartmann. Brilliant geranium red, flushed with orange; very large flowers of perfect form. Very strong and sturdy grower with deep green leathery foliage; fine exhibition variety. 75c. each; doz., \$7.50.
- HT Autumn Tints. Coppery red, shaded orange; medium sized, well formed flowers; blooms in great profusion during summer and autumn. 75c. each; doz., \$7.5o.
- HT Chateau de Clos-Vougeot. Rich fiery scarlet, which changes to velvety crimson as the flower becomes older. A rose that will bloom all season.
- HT Chrissie McKellar. Crimson carmine veined on rich deep ochre madder, changing to bright orange pink; semi-double; fine bedding variety.
- HT Earl of Gosford. Splendid dark crimson variety. The flowers are borne on strong stiff stems. Very fragrant.
- HT Edward Mawley. One of the finest of the velvety crimson varieties in size, shape and color. It has all the good qualities a Hybrid Tea Rose can possess.
- HT **Etoile de France**. Intense brilliant crimson of fine fragrance, producing elegant pointed buds, which open into an extra large flower.
- HT Gen. MacArthur. Recommended as the best deep scarlet rose in existence. The fragrance is delightful and blooms, even under most unfavorable conditions, are produced in great number.
- HT George C. Waud. A rich shade of vermilion, shaded towards orange. The graceful pointed buds develop into a beautiful, full flower. It is very hardy and free.
- HT Geo. Dickson. Velvety black crimson, the back of the petals veined with deep pure crimson maroon. A perfect exhibition variety, the blooms often 5 inches across and it has wonderful lasting qualities.
- HT Gruss an Teplitz. This is often termed the reddest of the red roses. The foliage, which takes on a coppery red color, is almost hidden with masses of flowers, the centre of which are light red, while the outer petals are crimson red.
- HT Hadley. One of the finest dark red roses introduced. The flowers are borne on long, stiff stems, which makes it an ideal variety for cutting. \$1.00 each; doz., \$10.00.
- HT Hoosier Beauty. A beautiful scarlet crimson variety; very full flowers with long stems; deliciously perfumed. \$1.00 each; doz., \$10.00.
- HT **H. V. Machin.** Scarlet crimson; very double and perfect flowers, with high pointed centre. Fine exhibition sort. \$1.00 each; doz., \$10.00.
- HT Laurent Carle. Carmine red; very fragrant, with large perfect flowers, which are produced all summer long.
- HT Lieutenant Chaure. Velvety crimson, large full flower; long pointed bud; vigorous and free flowering.
- HT Mme. Edouard Herriot. Coral red, with yellow shadings at the stems, terminating in salmon red. It is one of the finest roses in cultivation.
- HT Mary Countess of Ilchester. Crimson carmine, a shade almost indescribable. Highly scented flowers of immense size.
- HT Mevrouw Dora van Tets. Deep glowing crimson, compact growth; free bloomer. 75c. each; doz., \$7.50.
- HT Mrs. A. R. Waddell. Royal scarlet buds, opening reddish salmon; reverse of petals rosy scarlet; a very free bloomer.
- HT Mrs. Walter Easlea. Glowing crimson carmine, outer petals satiny crimson; large full flower of great fragrance.
- HT Prince d'Arenberg. Brilliant scarlet. Produces long pointed buds, which open into an extra large full flower.
- HT Red Radiance. A clear shade of red. A splendid bedding variety, having all the good qualities of its parent, the Pink Radiance. 75c. each; doz., \$7.50.
- HT Richmond. A beautiful variety, a rich shade of crimson; should be in every collection, as nothing approaches it in form for this color.
- HT Wm. Cooper. Deep rich lake red. A fine, bold handsome flower, produced in endless profusion. A fine, bold handsome 75c. each; doz., \$7.50.
- HT Willowmere. Carmine bud, opening into a rich pink, shaded yellow in the centre.

YELLOW VARIETIES

This color embraces probably the best of the Hybrid Tea Rose family. The rich shade of yellow is in great variety, while the odor is delicious. Many of the best varieties in this color do not make strong growing plants, so any extra care bestowed upon them will be more than rewarded with an abundance of bloom.

HT A. R. Goodwin. Rich coppery orange. It develops into soft pink, as the flower opens. Free vigorous bloomer.

HT Dorothy Page Roberts. Coppery yellow; the flowers are produced with wonderful freedom.

HT Duchess of Wellington. Deep saffron yellow, inclined to orange; buds are long and pointed.

T Etoile de Lyon. A very fine flower and bud of sulphur

yellow shade; does exceedingly well in hot weather T Harry Kirk. The flowers are large, very double, of a deep canary color, edged with sulphur; free bloomer and one of the "Gold Medal" type. HT Iona Herdman. Clear orange flame color, very free and

perpetual flowering; of excellent form, which makes it one of the most decorative roses. \$1.00 each; doz. \$10.00.

T Lady Hillingdon. Deep coppery yellow and an attractive long bud. It is very free in growth and a continuous bloomer.

HT Madame Leon Pain. Salmon, with a deep orange yellow centre, pink on the reverse petals. The flowers are large, full and very free.

HT Madame Melanie Soupert. Rich salmon yellow, tinged carmine and pink; an unusually fine flower.

HT Madame Ravary. A remarkable color, deep Nankeen yel-low turning lighter toward the centre; a large double flower. T Marechal Niel. Bright, rich, golden yellow; extra large, double and of finest form.

HT Marquise de Sinety. Light orange yellow with lighter outer petals. The centre is shaded a coppery red, indeed the color is one hard to be described. Must be seen to be appreciated.

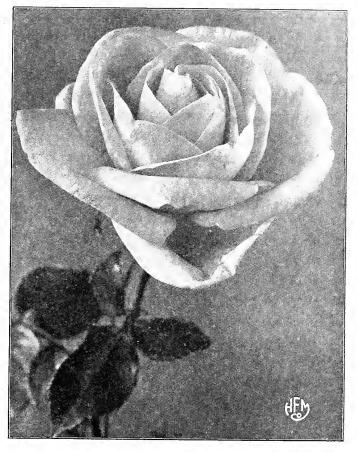
HT Mme. Chas. Lutaud. Chrome yellow, slightly tinted scarlet on the outer petals, the flowers are large, full and of globular form, borne on long erect stems.

T Miss Alice de Rothschild. Rich deep yellow; the flowers are large, full and of perfect shape. Vigorous grower and continuous bloomer. Very fragrant.

HT Mrs. F. W. Vanderbilt. A perfect rose of splendid shape and great fragrance; deep orange shaded apricot, quite distinct from any other rose in cultivation. 75c. each; doz., \$7.50.

HT Mrs. Chas. E. Pearson. Orange, flushed red, apricot, fawn and yellow, a very superb rose; will be the most popular of all garden and bedding roses. 75c. each; doz. \$7.50.





Mrs. Sam Ross

YELLOW VARIETIES (Continued)

HT Mrs. Aaron Ward. A conspicuous rose on account of its coloring, which is new; as a bud it is deep Indian yellow, as it opens it adopts a broad margin of light yellow on the inner edge, when fully opened it is light yellow throughout. Very free bloomer, the flowers are very exquisite.

HT Mrs. Ambrose Ricardo. Deep honey yellow; overlaid brighter yellow. Flowers are very large; blooms continually during summer and autumn. 75c. each; doz., \$7.50.

HT Mrs. Archie Gray. Deep creamy yellow, becoming lighter as the flower expands. Very free-flowering and in every respect a most desirable sort. 75c. each; doz. \$7.50.

HT Mrs. Sam. Ross. Pale straw; flushed deeper yellow on the reverse of the petals; extremely free flowering and of great fragrance; grand variety.

HT Mrs. Wemyss Quin. Intense lemon, becoming deep canaryyellow, as flower expands, petals flamed crimson orange and coppery crimson. 75c. each; doz., \$7.50.

HT Old Gold. Coppery red, shaded apricot; a remarkable color. The foliage is heavy and the growth vigorous; it blooms very freely. 75c. each; doz., \$7.50.

HT Queen Mary. A variety of great beauty; flowers medium size, but of splendid form; color lemon chrome, bordered at the edges with pure deep carmine. 75c. each; doz., \$7.50.

HT Souv. de Gustav Prat. Sulphur yellow, an exquisite variety, very free and vigorous bloomer.

T Souv. de Pierre Notting. A splendid variety on account of its freedom of bloom, which extends through the whole season. The color is an apricot yellow, blended a copper shade.

HT Sunburst. Long pointed buds; golden orange flowers; very free bloomer and a strong grower.

HT The Lyon. Easily recognized by its wonderful color, which is a warm coral red with a buff yellow base; the flowers are immense in size and are cup-shaped.

142 MICHELL'S HYBRID PERPETUAL HARDY ROSES

These differ in character from the Tea sorts in that they produce their crop of flowers for the most part in June and during the following months occasionally a few blooms. The flowers are of immense size, very double with the real old-fashioned rose color. They deserve a place in every garden, where roses are a feature. The plants are very strong growing and after flowering should be cut back slightly. This induces new growth of wood for the following season, making them more bushy. On the first approach of lasting spring weather the plants should again be pruned back to within 8 or 10 inches of the ground, when a marvelous rose crop will follow. They are extremely hardy and need no protection.

PINK VARIETIES

American Beauty. It is hardly necessary to describe this well-known beautiful rose, but we recommend planting this variety in a well-sheltered location.

Baroness Rothschild. Soft delicate pink, very large.
Captain Christy. Delicate flesh pink, very free.
Clio. Delicate flesh color, shaded deep pink in the centre.
George Arends. This is a clear pink variety of the Druschki type. It is frequently referred to as the pink Druschki Rose.
Madame Gabriel Luizet. Pale pink, very sweet.
Magna Charta. One of the largest; color deep pink.
Mrs. John Laing. Soft pink, very fragrant and large.
Mrs. R. G. Sharman Crawford. The finest light pink rose.
Paul Neyron. The largest of all roses, deep rose.

RED VARIETIES

Fisher Holmes. Bright scarlet, shaded deep maroon.

General Jacqueminot. The old favorite; velvety crimson.

Prince Camille de Rohan. Deep velvety crimson maroon.

Ulrich Brunner. Bright cherry red, flowers large and full.

Baron de Bonstetten. Velvety red, almost black; a vigorous grower; large, double, sweet-scented flowers.

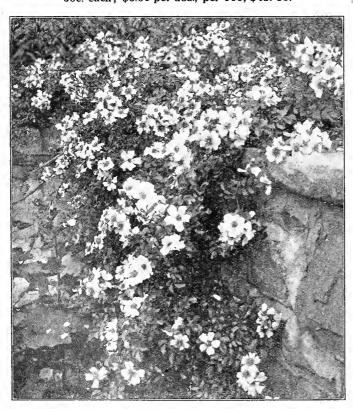
WHITE VARIETIES

Frau Karl Druschki. An exquisite flower of the purest white.

Margaret Dickson. A very large, pure white; the best of its color in the Hybrid Perpetual class.

Gloire de Lyonnaise. White, with a slight trace of yellow;

Gloire de Lyonnaise. White, with a slight trace of yellow; very large full flower. One of the best in this color. Price of any of the above extra strong, 2-year-old plants; 60c. each; \$6.00 per doz.; per 100, \$45.00.



Rosa Wichuriana makes a handsome wall and embankment decoration



Hybrid Perpetual Rose, Mrs. John Laing

AUSTRIAN BRIARS AND HYBRIDS

Rather a distinct class, being of wonderfully strong growth, and flowering in the early summer and again somewhat in the late summer and early fall.

Constance (Hybrid Briar). Long orange yellow bud streaked with crimson, passing to golden yellow; free bloomer.

Juliet. Rich vermilion red, the reverse of the petals old gold. It is a strong, erect grower and delightfully fragrant.

Persian Yellow. Very hardy, producing medium sized flowers of a rich deep yellow. Very double.

Soleil d'Or (Golden Sun). Varies from golden orange to reddish gold, large, full, perfectly double flowers and a continuous bloomer.

Price of any of the above extra strong, 2-year-old plants, 50c. each; \$5.00 per doz; per 100, \$40.00.

ROSA WICHURIANA (The Creeping or Memorial Rose)

The long slender stems which are completely dressed with small glossy deep green foliage trail to any rock, ground, trellis or wire and often grow 20 feet in one year. During their flowering season the foliage is entirely hidden by the wealth of fragrant blossoms. For cemeteries they are ideal, as they flower about the end of May. Rockeries, terraces and bare spots in gardens cannot be more readily beautified. Railroad companies are planting thousands of Wichuriana Roses on embankments, producing marvelous effects.

Gardenia. Buds bright yellow, open double cream-

 colored flowers
 \$0.40
 \$4.00

 Wichuriana Alba. Single white flowers
 .40
 4.00

 Wichuriana Pink. A pink flowered variety
 .40
 4.00

MICHELL'S SUPERB POT-GROWN ROSES 143

STANDARD OR TREE ROSES

Standard Roses have been planted only sparingly in America, although there is nothing more stately or more beautiful than a Tree Rose. They require a slight protection during winter and this can be accomplished with either paper or straw or they can be bent down carefully and the trunk covered with suitable litter or soil. We have confined our collection of Tree Roses to fourteen of the most popular kinds.

Dorothy Perkins. Delicate pink, double flowers.

Excelsa. Intense crimson maroon.

HP Frau Karl Druschki. Pure white; often called the white American Beauty.

HT Gruss an Teplitz. This is often termed the reddest of all roses; coppery foliage; free bloomer.

Hiawatha. Single, brilliant scarlet with a yellow circle around

HP J. B. Clark. Scarlet, shaded crimson, very large flower.

HT Kaiserin Augusta Victoria. Pure white; exquisitely shaped flowers.

HT Killarney. Perfectly shaped buds of a delicate pink, opening into a deeper pink.

HT La France. Satiny rose, with reflexed petals, which are of a darker pink on the reverse petals.

HT Mme. Caroline Testout. Bright sating rose, shaded deeper

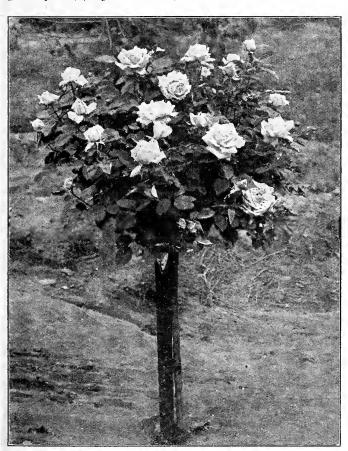
HT Mrs. Aaron Ward. Deep Indian yellow, when fully open it is lighter.

HP Paul Neyron. Deep rose pink, producing flowers of an

enormous size; very double.

Tausendschoen. A glorious variety of a most refreshing pink.
HP Ulrich Brunner. Bright cherry red; large double flowers.

Price of any of the above Standard or Tree Roses, fine potgrown plants, \$1.25 each; doz., \$12.00.



Tree or Standard Rose



Half Standard Tree Rose

HALF STANDARD ROSES

Although only of recent introduction, this class of Roses has come to stay, and it has proven a valuable asset for the garden. Our selection of varieties has been carefully chosen and will prove satisfactory. They are Roses which are always in bloom and produce an abundance of flowers during summer and autumn.

HT Betty. Coppery rose, shaded golden yellow; very free bloomer.

HT British Queen. Pure white; of perfect form and refinement. The best of the white varieties. \$1.75 each; doz., \$17.50.

HT General McArthur. The best deep scarlet rose, exceptionally free bloomer.

HT Geo. Dickson. Velvety black crimson, the back of petals heavily veined with deep pure crimson maroon

HT Mme. Caroline Testout. Bright satiny rose, shaded deeper in the center.

HT Mme. Edouard Herriot. Coral red, shaded yellow and scarlet, terminating in salmon red.

HT Mme. Ravary. Deep nankeen yellow, turning lighter toward the center; a large double flower.

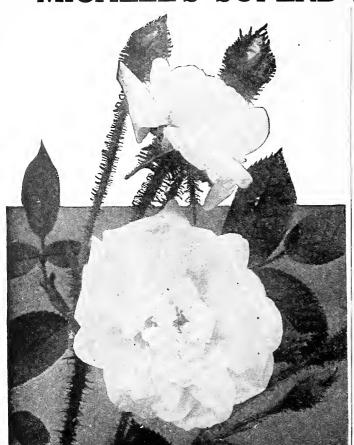
HT Mrs. Geo. Shawyer. Reputed to be the finest pink rose; without a fault; wonderfully free-blooming.

HT Richmond. A rich shade of crimson; a splendid variety.

Price of any of the above Half Standard Roses (except where noted), fine pot-grown plants, \$1.50 each; doz., \$15.00.

Half Standard Roses are difficult to propagate, although when carefully budded on special briar, they establish themselves readily and are hardy, although it will pay to give them the same protection as suggested for the standard types; further, they are grown for us by the best Rose specialist in England which is an explanation as to why they are slightly higher in price than the tree varieties.

144 MICHELL'S SUPERB POT-GROWN ROSES



Moss Rose

MOSS ROSES

In our grandmother's garden the Moss Rose was considered the finest flower. When in bud form, these are unusually attractive; the base of the flower is covered with what seems to be a delicate mossy growth. We do not recommend heavy pruning of Moss Roses, as a slight thinning out of the wood, in the season after they have flowered, is sufficient.

Blanche Moreau. An exquisite pure white variety, producing large flowers.

Crested Moss. Deep rose pink; remarkably attractive flower. Crimson Globe. Rich deep crimson, large full flower.

Price of any of the above. extra strong 2-year-old pot-grown Moss Roses, 6oc. each; doz., \$6.00.

ROSA RUGOSA (Japanese or Shrubbery Rose)

Very robust with deep green puffed foliage and produces semidouble and double flowers in profusion during June. In fall and winter the plants are covered with bright red, large berries; an excellent plant for a shrubbery bed or a solid hedge.

Alba. Single white\$0.40	\$4.00
Blanc Double de Coubert. Large double pure white .50	
Conrad Ferd. Meyer. Double, light pink50	
Rubra. Crimson carmine, single	4.00

LARGE FLOWERING OR CLIMBING ROSES

American Pillar. Single, flowers large, 2½ to 3 in. in diameter, of a rich shade of pink with a distinct white centre, produces immense clusters, being very showy and attractive. The growth is exceptionally strong, foliage a shiny dark green, and insect-proof. An additional attraction in autumn are the clusters of red seed berries. Extra strong, 2-year-old plants, 50c. each; doz., \$500.

CLIMBING ROSES (Continued)

Christine Wright. One of the new varieties, and a cross between the popular Hybrid Tea, Caroline Testout and a seedling. This rose when more widely known will be extensively planted. The color of the flower is a bright rose-pink, measures 3½ to 4 inches across, is of perfect form, beautiful, in the bud and acceptable in the fully developed flower. During June it is at its best, but continues to give flowers throughout the entire season. This is sure to give satisfaction. We offer extra strong plants at 60c. each; doz., \$6.00; \$45.00 per 100.

*Climbing Kaiserin Augusta Victoria. This possesses all the qualifications of the dwarf Kaiserin, particularly the freedom of bloom, exquisite odor, and the fine shade of white. Extra strong, 2-year-old plants, 6oc. each; doz., \$6.00; \$40.00 per 100.

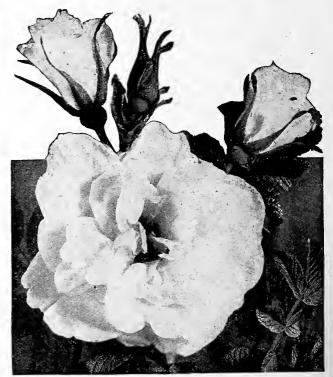
*Climbing Killarney. Delicate soft pink, identical with the dwarf variety, bearing the same name. As the flower unfolds, it shows a shade of deeper pink on the inner petals. Extra strong, 2-year-old plants, 6oc. each; doz., \$6.00; \$45.00 per 100.

*Climbing Lady Ashtown. Delicate pink, with a slight trace of yellow at the petal. While the outer petal expands, the centre remains in bud form. 6oc. each: per doz, \$6.00; \$45.00 per 100.

Climbing American Beauty. A rose which has come to stay. Climbing American Beauty is a decided acquisition, possessing the deep pink color of one of its parents (American Beauty), and also its very delightful fragrance. We have here a combination of qualities very rarely found in this class of Roses. It often makes canes 15 feet long in a season; the flowers are $3\frac{1}{2}$ to 4 inches in diameter and produced in great profusion, not only during May and June, but off and on all summer. Extra strong plants, 6oc. each; doz., \$6.00; \$45.00 per 100.

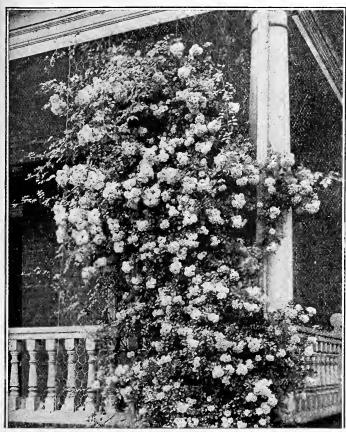
*Climbing La France. Satiny rose, with reflexed petals, which are darker pink on the reverse side. The climbing form of this variety is equally satisfactory as the dwarf one. Extra strong 2-year-old plants, 6oc. each; doz., \$6.00; \$45.00 per 100.

Gloire de Dijon. This rose is not hardy in the latitude of Philadelphia, but is such a grand variety and in constant demand it has been added to our list; exquisitely scented; a beautiful flower; salmon pink. South of Washington the variety is generally hardy, though we recommend even there slight protection during winter. 6oc. each; doz., \$6.00.



Rosa Rugosa

MICHELL'S HARDY CLIMBING ROSES (Pot Grown) 145



Climbing Rose "Lady Gay"

Aviator Bleriot. Improved vellow Rambler. A vigorous grower with dark green, glossy foliage, which seems to be immune to attacks by insects and disease. It produces large clusters of double, deep sulphur yellow flowers, darker yellow, almost an orange shade in the centre. It is a variety which will appeal instantly to all lovers of climbing roses. 6oc. each; doz., \$60.0; \$45.00 per 100.

Crimson Rambler. This well-known variety produces in abundance large clusters of crimson flowers. We have the latest improved strain of this variety, which is almost mildew proof.

Dorothy Perkins. Pink flowers in long sprays which are very fragrant and lasting; a deservedly popular rose.

Excelsa (The Crimson Rambler par excellence). This variety supersedes to a great extent the older Crimson Ramblers, not only by reason of its intense crimson-maroon flowers, which are tipped with scarlet and are very large for a rose of this type, but because of its healthy lustrous foliage, which is free from mildew. It is a very free-flowering rose, its blossoms breaking from almost every eye in clusters of from 30 to 40 flowers.

Flower of Fairfield (The everblooming Crimson Rambler).
Exactly like the Crimson Rambler in appearance, except Flower of Fairfield blooms periodically during the summer. It is very vigorous; many new growths made each season. Considered the best of the Crimson types of Rambler Roses.

Hiawatha. Single brilliant scarlet, with a yellow circle around the centre, flowering in large clusters. Most dazzling and effective. The foliage is retained until very late in autumn and always presents a clean, bright green, healthy appearance; should be on every pergola, though it is attractive when supported on a single stake.

Price of any of the Climbing Roses on this page (except where noted) in strong 2-year-old plants, 6oc. each; doz., \$5.00; \$40.00 per 100.

Since the introduction of the Crimson Rambler, Climbing roses have made rapid strides in popular favor. A great number of varieties have been put on the market since then, some of which we have found by careful trial to be of exceptional merit. are of strong, robust growth, often making shoots 20 feet long in a single season, and when in flower are truly a magnificent sight. We offer only the best sorts in heavy 2-year-old plants.

Note. Climbing roses do not require annual pruning, as do the H. P. and H. T. varieties. A good thinning out, though, of the surplus wood in the early spring, or after flowering time is advisable. In pruning the climbing Roses, which are of a H. T. nature, such as are marked with an * (see page 144), if the weak, thin wood is cut out entirely, and the strong shoots are cut back somewhat, they respond marvelously with a wealth of bloom. Climbing roses produce their main crop of flowers in June. Lady Gay. Cherry pink buds, which when open are of a soft white color; very free flowering; extremely useful variety.

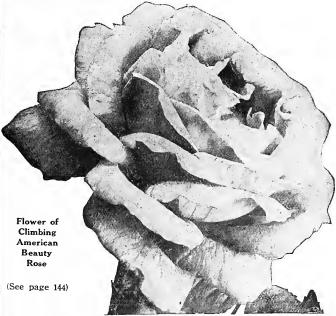
60c. each; doz., \$6.00.

Silver Moon. Gigantic pure white flowers (resembling somewhat a Clematis bloom), frequently 5 inches in diameter. This is the ideal climbing rose for planting along fences, while for pillar and trellis work it is equally satisfactory. It has a delicate rose scent, and the flower stems are frequently 15 inches long. The foliage is rich green, at times shaded bronze. The flowers are especially attractive in the evening and even in the dark they stand out conspicuously; we judge from this fact alone, it has received its name. Extra strong, 2-year-old plants, 75c. each; doz., \$7.50; \$60.00 per 100.

Tausendschon. We cannot too highly recommend this rose on

•account of its free-flowering qualities and its exquisite shade of soft pink, which changes to a rosy carmine when fully open. These flowers are borne in large sprays of from 10 to 15 flowers each, individual flowers measuring quite 3 inches

white Dorothy Perkins. The best white Rambler Rose yet introduced, being an exact counterpart of Pink Dorothy Perkins. excepting color; a desirable rose. A variety that is practically immune from attacks of mildew.



SPECIAL NOTE: Prices per 100 on roses will be as follows: Varieties marked \$4.00 per dozen will be \$30.00 per 5.00 40.00 6.00 45.00 7.50 60.00 9.00 " " " 65.00 10.00 " 66 " 80.00 85.00 12.00 " 15.00 115.00 Where an order aggregates 25 roses or more, even though

in varieties, that are different in price, the 100 rate may be taken in pricing the order.

146 MICHELL'S BABY RAMBLER OR POLYANTHA ROSES

This splendid class of roses has only recently been introduced, but has met at once with universal favor. In foliage and flowers they resemble the Climbing Rose, "Dorothy Perkins," with its small, clean, glossy foliage, smooth wood and huge clusters of flowers, but these plants, known as "Baby Ramblers," grow only 18 to 24 inches high and have the splendid virtue of producing their clusters of flowers continuously. In the garden these plants can be artistically applied for either hedges, solid effective beds, or under standard roses as a carpet cover. We take pleasure in offering a very choice selection, some of which are offered for the first time.



The Baby Rambler is one of the best Roses for bedding

Annchen Mueller. A lovely delicate pink; the petals of the flower curl up when open, so that the flowers look more artificial than real. The flowers are produced in enormous clusters.

Cecil Brunner (Sweetheart). It is difficult to imagine a more dainty rose than this. It is perfectly double, rosy pink on a cream white ground. It has a true tea-rose scent. For rose bowls or miniature vases this makes beautiful cut flowers.

Ellen Poulson. Bright rose color, pleasantly perfumed; strong growing habit; very floriferous.

Erna Terschendorff. The true scarlet Baby Rambler, decidedly the best colored one in this class and holds its color.

BR Geo. Elger. A variety which compares favorably for exquisite daintiness with Cecile Brunner, to which it is a splendid companion. It is almost identical in habit and growth; the color is a coppery yellow; likewise has a distinct tea-rose odor.

Jessie. Bright orange red flowers, almost single, produced in clusters in great abundance.

Katherine Zeimet (White Baby Rambler). Pure white, with yellow stamens; effective when planted in with pink or scarlet.

Louise Walter. Soft blush pink, almost the exact shade of the variety "Tausendschoen." The flowers are very large.

Madame Jules Gouchalt. Buds bright vermilion red, shaded clear orange red, passing to bright fiery rose, as the flowers age. Does not fade or drop off; invaluable for bedding, cutting and forcing.

Madame Norbert Levavasseur (Crimson Baby Rambler). This is identical with the Crimson Rambler in color and form, except that it is probably more intense red.

Mrs. W. Cutbush (Pink Baby Rambler). A cerise pink; a persistent bloomer, with very double flowers.

Orleans. Rich brilliant red flowers, which turn to pink as they become older. The centre of the flower is white.

Phyllis. One of the best Baby Rambler. The color is a beautiful carmine pink; a continuous bloomer and very hardy.

Yvonne Rabier. We believe this to be the best white Polyantha Rose yet raised; the marvelous freedom with which it blooms will place it as a fine companion to "Orleans" and "Jessie." This rose is destined to be in great demand for bedding and massing; very perpetual flowering, indeed a most superb variety.

Price of any of the Baby Rambler Roses on this page, extra strong 2-year-old pot-grown plants; 50c. each; doz., \$5.00; \$40.00 per 100.

SPECIAL DIRECTIONS FOR PLANTING AND CARING FOR ROSES

Open a good space in the soil and spread out roots; never cramp them into a small hole. Do not let manure come in contact with roots but place it underneath and a layer of soil on top. If the rose is a bush plant, set it so deep that only branches are visible above the ground and never the main stem, but too deep is as bad as too shallow; 2 to 4 inches of the lower branches may be under the surface, but no more. If the plant is a budded or grafted rose, be sure that the bud or graft is fully 3 inches below the surface. Prune in spring only, when life is just apparent and remove what might appear to be surplus wood. The strongest growth should be cut back to within six inches above the ground; the weaker growth to 4 inches. All soil above the roots should be well pressed down. Feed your roses with "Ground Bone" and "Pulverized Sheep Manure." Mulch the ground during summer with cow manure or with Peat Moss. As winter approaches draw soil 6 to 8 inches high around the stem, this avoids winter killing especially the H. T. varieties, then cover with long manure or similar litter. On page 136 will be found the "Rosarian's Calendar" which offers some helpful suggestions towards getting the most out of your rose garden.

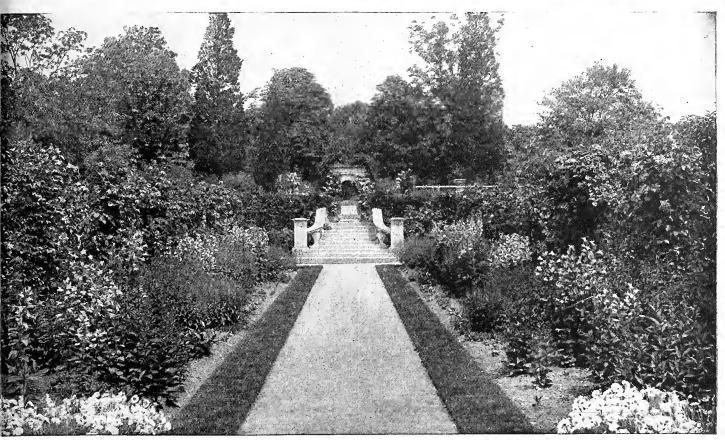
TESTIMONIAL

DAYTON, OHIO.

The plants sent are certainly very fine. You will hear from me next Spring with a much, yes very much, larger order.

629 S. Williams St.

THEO. F. BRYANT.



Results like this can be obtained by planting Michell's Hardy Perennials

We are annually making a greater specialty of HARDY PERENNIALS, having 15 modern greenhouses and some 1,000 or more sash frames devoted to this class of stock.

Our list has again been carefully revised; some of the old varieties are displaced with better sorts, while there are also included many new varieties not previously offered. We devote to this class of stock some 50 acres and have now established for the benefit of customers a permanent border of perennials, wherein is planted some of every variety of hardy plants and roses, listed in this catalog. During the spring, summer and autumn plants, our customers or whoever is interested, will find a visit to our Nurseries not only interesting, but very instructive. All plants are carefully labeled in our trial beds, so that one can take his own time in making notes and observations. Our Nursery Superintendent will be glad to have a competent person lend any assistance, or give information that might be desired. Your trade in the line of perennial plants is especially solicited. Directions for reaching our Nurseries by Auto, Train or Trolley (the latter two going directly to our grounds) will be sent on request free.

ACHILLEA (Sneezewort) (Hardy)

The Achilleas are attractive even when out of flower, through their fine graceful foliage, the blooms are splendid, cut flowers yielding a supply all summer.

Ptarmica Grandiflora Fl. Pl. A double form and a great improvement on the old variety (Ptarmica The Pearl), the flowers are almost twice the size, color pure white. 25c. each; doz., \$2.50.

ADONIS (Bird's Eye) (Hardy)

By no means a new plant, but one of the best for early spring bloom; the ornamental, finely cut foliage is alone an attraction, while the flowers appear almost before winter has disappeared.

Amurensis. Large single yellow flowers; the plant grows about 12 inches high. 50c. each; doz., \$5.00.

Amurensis Fl. Pl. An attractive form of the above with double flowers. 50c. each; doz., \$5.00.

ANEMONE (Windflower) (Hardy)

The flower garden would not be complete without them, the wealth of bloom produced at a season when other flowers are past make them very desirable. They are at their best during September and continue until frost to flower in abundance. A splendid cut bloom.

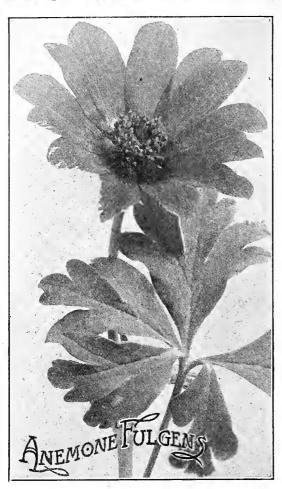
Charmeuse. Large double regularly formed flowers, the petals of which are imbricated. The stems are medium in height but stout, making it a grand variety for cutting. Color, carmine rose, with purplish carmine reverse. 35c. each; doz., \$3.50.

(See also Bulbous Anemones, page 148)

ANEMOPSIS (Hardy)

A rare hardy perennial from Japan resembling somewhat a Campanula, the flowers are large and of a waxy appearance, bell-shaped, and it is splendidly adapted for shaded locations.

Macrophylla. Rich violet, height 21/2 ft. 50c. each; doz., \$5.00.



ANEMONES (Wind Flowers) (Bulbs)

A splendid flowering bulb, perfectly hardy, prefers a moist, shaded location; plant outdoors in clumps as soon as the ground can be worked.

CORONARIA OR POPPY FLOWERING TYPES

		Each	Doz.	100	1000
Single	Scarlet	\$0.03	\$0.20	\$1.25	\$10.00
"	Blue	.03	.20	1.25	10.00
44	White (The Bride)	03	.20	1.00	7.50
66	Mixed, all colors	.03	.20	1.00	7.50
Double	e Mixed, all colors	.03	.25	1.50	12,00

Anemone, St. Brigid (Semi-double). A giant flowering type, magnificent blooms, often 5 inches across, of the richest colors, covering maroon, scarlet; blood red, old rose, pink, blue, purple, mauve, yellow, cream white. Mixed colors, 4c. each; doz., 35c.; \$2.25 per 100; per 1000, \$20.00.

Anemone, Fulgens (Single). Dazzling scarlet flowers. Each, 4c.; 3oc. per doz.; per 100, \$2.00; \$17.50 per 1000.

CLEMATIS (Hardy)

The shrubbery or bush form of Clematis fill an important place in perennial gardening, growing from 2½ to 4 ft. high. When in flower, which is usually in June and July, they are a mass of bloom which lasts a long while.

Cote d'azur. Deep azure blue flowers produced in great panicles in pyramidal form, literally covering the plant; this variety is very scarce. 50c. each; doz., \$5.00.

BEGONIAS (Tuberous Rooted Bulbs)

The Begonia remains the same favorite it has been for years, and with the advent of the splendid newer varieties offered below, their value is greatly increased as a plant for the conservatory, greenhouse or for bedding in shaded locations.

Cristata. A beautiful single flowering crested strain, producing gigantic blooms, in separate colors, red, orange, rose, white and yellow. 15c. each; doz., \$1.50; \$10.00 per 100.

Fimbriata. Double fringed in mixed colors. 20c. each; doz., \$1.75; \$12.50 per 100.

	Each	Doz.	100
Lafayette. Brilliant crimson	0.20	\$2.00	\$15.00
Graf Zeppelin. Double; vermilion	.15	1.50	11.00
Bertini. Brilliant vermilion; single	.15	1.50	11.00
Cardinal. Rich cardinal red	.25	2.25	15.00
Phosphorescent. Brilliant scarlet	.25-	2,25	15.00

DELPHINIUM (Hardy)

The hardy larkspurs surely need no introduction for beauty and effectiveness, while not just new, the following two varieties should be in every collection.

Rev. E. Lascelles. Easily one of the finest delphiniums in existence, the bold gigantic spikes tower well above the foliage, the flowers are deep blue, double, the centre is white; it is a very distinct sort and should be in every collection. \$1.00 each.

The Alake. Semi-double large flowers, the outer petals are intense dark blue, the inner ones violet, the white eye sets the flower spikes off with a gorgeous effect. \$1.00 each.



Begonia "Cardinal"

SEEDLING DAHLIA "FIVE-EIGHTEEN"

A certain gardener employed on a large estate along the main line of the Pennsylvania Railroad adjacent to Philadelphia, and who by the way usually takes every dahlia prize offered in and near Philadelphia, had been working on a giant form of a yellow dahlia, decorative type, for a number of years, he regarded it to be so perfect in color, form and free flowering habit with such adverse weather conditions as existed the past summer that it was thought no further improvement could be made by holding it longer. It's a giant of a bloom, measuring continuously 6 inches in diameter and even greater when grown for exhibition purposes; the stem is long, stiff and straight, while the beautifully quilled decorative type of flower is the richest shade of canary yellow, and shows no centre. Owing to the small stock available, we will be able to furnish strong green plants only, ready for delivery after May 1st at 50c. each; doz. \$5.00.

HELIOPSIS (Orange Sunflower) (Hardy)

The Heliopsis vie with the hardy varieties of sunflowers, which they resemble somewhat. A splendid summer cut flower produced in greatest profusion; for massing they produce a wonderful effect in corners or as the background in a perennial border.

Gratissima. Large single flowers with 4 or 5 rows of reflexed florets of a rich ochre yellow shade, grows 3 ft. high. 25c. each; doz., \$2.50; \$17.50 per 100.

Excelsa. A double flowering variety having 4 or 5 rows of petals, with fringed tips, grows 4 to 5 ft. high; a splendid variety. 25c. each; doz., \$2.50; \$17.50 per 100.

HEUCHERA (Alum Root) (Hardy)

The graceful flowers of the Heuchera with the delicate looking yet robust flowers are a marvel for attraction. During July and August they are ablaze with bloom, splendid for cutting, as the flower stem grows about 2 ft. above the foliage, which lies close to the ground.

Gracill. Perry's Variety. Branched panicles or flower heads of a beautiful rosy crimson. 35c. each; doz., \$3.5o.



Hydrangea Hortensis "Joconde"



Seedling Dahlia "Five-Eighteen," about ½ natural size

HYDRANGEA HORTENSIS (Hardy)

This is the type of plant so famous for flowering effect along the upper New Jersey coast resorts, the following list comprising new varieties; they may be used of course for greenhouse culture as well. Protection should be given the plants during the winter; they should not be planted in a northern exposure and need plenty of water during the summer months; they flower usually in July and August when planted outdoors. Strong young plants from 2½ inch pots should be set outdoors after April 15th.

The varieties offered below are of new introduction; for other varieties of Hydrangea see page 129.

Joconde. Pure white, very large flower heads.

Lakme. Cream white, shading pale pink.

Mme. Foucard. Ruby rose.

Mme. Nicolas Lambert. Pale rose; large flowering.

Mme. A. Rosenkraenzer. Pale mauve.

Magenta. Clear rose; large, perfect flowers.

Mme. Rene Jacquet. Flesh colored; very fine.

Price of any of the 2bove varieties 50c. each; doz., \$5.00. Special offer—One each of the 7 sorts for \$3.00.

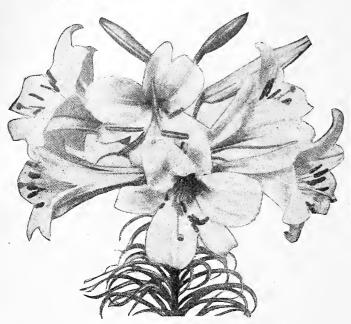
HYPERICUM (St. John's Wort) (Hardy)

Patulum var. Henryi. A splendid new variety, growing three to four feet high, producing masses of clear yellow flowers during July and August. The Hypericums are amongst the best of our hardy perennials for massive effects in borders. 35c. each; doz., \$3.5o.

LYCHNIS (Campion) (Hardy)

Of easy culture, making splendid, showy border plants.

Viscaria Alba Grandiflora. Large double white flowers; the evergreen foliage grows in a dense tuft and makes a striking contrast to the flowers which are in profusion all summer. 50c. each; doz. \$5.00.



Lilium Regale or Myriophyllum

LILIUM REGALE OR MYRIOPHYLLUM

This splendid hardy garden lily was found in the wilds of Northwestern China by Mr. E. H. Wilson, the noted plant collector; it is just as easily forced in flower under glass, as it blooms outdoors in July. The flowers are white, slightly tinted pink, shaded light yellow in the centre of the throat; the perfume resembles that of the Jasmine and Gardenia; the foliage is narrow, decking the stem completely from the ground to the flower spikes. \$1.00 each; doz., \$10.00.

POTERIUM (Hardy)

Obtusatum. A splendid new border plant with dark pink flowers with a bright sheen with a feathery graceful appearance. It flowers continually from July until September. 75c. each; doz., \$7.50.

PENTSTEMON (Beard Tongue) (Hardy)

The flower resembles a gloxinia, but is longer and narrower like the Incarvillea. It is a continuous bloomer, commencing early and lasting until frost.

Barbata Salmonea. Long panicles of salmon rose flowers. 35c. each; doz., \$3.50.

PHLOX (Hardy)

Pillosa Splendens. One of the tall growing early flowering types like Divaricata Canadensis. It makes a dense growing bushy plant, growing 15 inches high, flowering in May, producing lilac rose flowers in a pillar form, 35c. each; doz., \$3.50.



Poppy Oriental King

POPPY (Oriental) (Hardy)

The Oriental poppies are in a class by themselves when it applies to grace, beauty and refinement. In July the flowering effects produced thereby are really wonderful, the result being difficult to describe. We have added to our list again some splendid sorts that will please the lover of this class of plants.

Lightness. A beautiful sort, white at the centre, the middle of the petal changing to a fine pale salmon. 50c. each; doz., \$5.00.

Oriental King. Rich crimson scarlet flowers on long erect stems. 35c. each; doz., \$3.5o.

RUDBECKIA (Cone Flower) (Hardy)

The Rudbeckias are always in great demand, so that a new variety should be a welcome addition.

Purpurea Tubiflora. Large, brilliant red flowers, the petals of which are formed in the shape of a tube and open gradually. It flowers in clusters on stems about 3 ft. high from July till September. 50c. each; doz., \$5.00.

STENANTHUM (Mountain Feather Fleece)

Robustum. An interesting, showy perennial from the Caroline Mountains; the fine spear-like leaves bend charmingly on all sides and from the centre springs a tall flower spike, bearing an immense number of small pure white flowers. 50c. each; doz., \$5.00.

THALICTRUM (Meadow Rose)

Dipterocarpum. Very graceful plants, with handsome, finely cut foliage; valuable for cut flowers. The individual flowers are of a rosy purple color; blooms from June to August. 35c. each; doz., \$3.50.

"Hardy Perennials and How to Grow Them"

A comprehensive treatise of 48 pages, including plans for hardy borders, together with a complete list of varieties. This book is free. Send for a copy.

Achillea (Sneezewort)

A graceful plant with finely cut foliage. Flowers are fine for cutting; flowering the entire summer.

Boule de Neige (Ball of Snow). An improvement on The Pearl; flower pure white, 21/2 feet high.

Eupatorium. Brilliant yellow; 4 to 5 ft. Millefolium Cerise Queen. Rich amaranth. An attractive combination when massed with the white variety; 18 in.

high; red. Ptarmica Plena, The Pearl. Flowers the entire summer on strong, erect stems 2

feet high; of the purest white.

Ptarmica Grandiflora Fl. Pl. An improvement of the Ptarmica Plena; flowers

much larger. 25c. each; doz., \$2.50. Price of any of the above (except as noted), 20c. each; doz., \$2.00; \$12.00 per

Acanthus (Bear's Breech)

Mollis Latifolius. Highly decorative Rose colored, large heart-shaped leaves. 3 ft. September. 25c. each; doz., \$2.50; \$17.50 per 100.

Aconitum (Monkshood or Helmet Flower)

Bushy plants, blooming in clusters of beautiful helmet-shaped flowers from late summer till frost. Well adapted for shade. Fischeri. Grows 18 inches high, vielding pale blue flowers.

Lycoctonum. A free-flowering pale yellow variety, blooming during June and

Napellus. Large flowers, dark blue; August and September; 3 to 4 feet.

Napellus Bicolor. Dark blue and white

flowers; 3 to 4 feet. Spark's Variety. The darkest blue of all;

5 to 6 feet high.

Wilsoni. A variety from Northern China, growing 6 feet high; pale violet blue; flowers in September.

Price of Aconitums, 25c. each; doz., \$2.50; \$17.50 per 100.

Adenophora

Handsome bell-shaped blue Potanini. flowers; borne on branching spikes. 20c. each; doz., \$2.00; \$12.00 per 100.

Adonis (Bird's Eye)

These harbingers of spring, with their finely cut ornamental foliage, are of Japanese origin; their golden yellow flowers are the first to greet us, being two weeks earlier than any other hardy perennial.

Amurensis. Large single yellow flowers; 12 inches high. 50c. each; doz., \$5.00. Amurensis Fl. Pl. Large double yellow

flowers; 12 inches high. 50c. each; doz., \$5.00.

Vernalis. Bright yellow; 6 inches; April to May. 25c. each; doz., \$2.50; \$15.00 per 100.

Akebia Quinata (See Page 175) Aegopodium (Bishop's Weed)

Podagraria Variegata. Green and yellow variegated foliage; I foot high. 20c. each; doz., \$2.00; \$12.00 per 100.

Aetheopappus (New)

Pulcherrimus. The flowers, resembling Tinctoria. One of the most satisfactory Giant Cornflowers, are of a dazzling pink. Splendid for cutting; July; 21/2 feet high. 25c. each; doz., \$2.50; \$17.50 per 100.

Anemone Japonica (Windflower)

As a last greeting of autumn these gay flowers appear in wondrous brilliancy and produce a wealth of bloom just before nature clothes the earth with a mantle of frost.

Plants vary from 2 to 3 feet high, and are ideal for cutting; flowers in cup form appear some time in August and remain till frost. Plants require winter protection with leaves, straw or long manure, but amply repay one for the extra trouble taken to care for them. Our stock is unusually fine.

Alba. Large, pure white; 3 to 4 feet.

Alice. While we have some good sorts in white and lavender pink, there never has been a real pink until this variety was placed on the market. The shade is brilliant, which looms up in the garden; it may be used for splendid effect as a cut flower; height, 15 inches. 25c. each; doz., \$2.50; \$17.50 per 100. Charmeuse. Large, double regular flowers,

borne on strong and rather short stalks, petals round and imbricated, carmine rose, reverses purplish carmine.

each; dozen, \$3.50.

Coupe d'Argent. An erect growing, free-flowering variety with large double white flowers; 3 feet. 25c. each; doz., \$2.50: \$17.50 per 100.

Enchantment (New). A beautiful new sort. The large flowers are double, cream-white; back of petals shaded pink, which makes it an excellent combination; 3½ feet. 35c. each; doz., \$3.5o. Geante Blanche. This is the largest

single white; a fine, bold flower; really one of the very best. 25c. each; doz.,

\$2.50; \$17.50 per 100.

Hupehensis (New). A new introduction from China and a very valuable acquisition to the Anemone family. They grow about 12 inches high and are covered from August until frost with masses of pale mauve pink flowers. 25c. each; doz., \$2.50.

Kriemhilde. Semi-double, very large, lovely rose pink flowers; fine for cutting. 25c. each; doz., \$2.5o; \$17.5o per 10o. Lady Ardilaun. Produces an abundance of

pure white, semi-double flowers, excellent for cutting; a strong grower. 4 feet. 25c. each.; doz., \$2.50.

Loreley. Semi-double mauve pink flowers usually 21/2 to 3 inches in diameter; one of the finest of recent introductions. 25c. each; doz., \$2.50; \$17.50 per 100.

Mignon. Semi-double; white shaded pale pink, petals waved and wrinkled, of a very pleasing shape. 35c. each; doz., \$3.50.

Pennsylvanica. Our native Windflower. White flowers with a tinge of red on the under side. 18 inches high.

Prince Henry. Deep rich pink double flowers; perfect form.

Purpurine. Semi-double flowers; deep rose.

25c. each; doz., \$2.50; \$17.50 per 100. Queen Charlotte. Semi-double flowers of a rich pink shade; one of the finest. Rubra. Rich rosy red, 3 to 4 feet.

Whirlwind. Large semi-double, pure white. Price of Anemones, except where noted, 20c. each; doz., \$2.00; \$12.00 per 100.

Anthemis (Marguerite)

daisy-like golden yellow flowers. each; doz., \$2.00; \$12.00 per 100.



Anemone Japonica

Agrostemma (Rose Campion)

Coronaria (Mullein Pink). Tufts of silvery foliage throwing up many silver-lined stems 2 feet high, with bright single crimson flowers during June.

Coronaria Alba. A white flowered form of the above.

Flos Jovis (Flower of Jove). Deep pink. Price of Agrostemmas, 15c. each; dozen, \$1.50; \$10.00 per 100.

Alyssum (Gold Dust or Basket of Gold)

Splendid edging plants. Ideal for rockery or special flower garden work; I foot high.

Rostratum. Bright golden yellow.

Saxatile Compactum. Deep golden yel-

Price of Alyssums, 20c. each; doz., \$1.50; \$10.00 per 100.

Anchusa Italica (Sea Bugioss)

Dropmore Variety. Plants grow 4 feet high in pyramidal shape; branch freely and are overloaded with bright blue forget-me-not-like flowers in June; very showy and valuable.

Myosotidaeflora (New). Dwarf variety; 12 to 15 inches high; covered in April and May with masses of bright blue forget-me-not shaped flowers.

Opal. Similar to the above variety, with large pale blue flowers; from May to

Any of the above Anchusas, 25c. each; doz., \$2.50; \$17.50 per 100.

Anemonopsis

Macrophylla. A very rare hardy perennial from Japan, producing large flowers of a rich waxy voilet, bell-shaped, in appearance resembling some of the Campanulas. Splendid for shaded locations. Height, 2½ feet. 50c. each; doz., \$5.00.

Anthericum (St. Bruno's Lily)

Handsome border plants with charming flowers, valuable for cutting. Excellent for Require plenty of water naturalizing. when in bloom.

perennials. Grows well in any soil; large Liliastrum. Very large, fragrant, lily-like white flowers; 1½ to 2 feet high. 25c. each; doz., \$2.50; \$17.50 per 100.

Aquilegia

For spring flowers these are invaluable, producing their graceful spurred flowers on stems rising 2 feet over their elegant foliage, during May and June. For rockery gardens, semi-shaded places, in hardy borders or planted in clumps, they look effective.

Canadensis. Bright red and yellow. Chrysantha. Bright yellow, long flowers. Chrysantha Alba. Pure white,

Coerulea. Blue and white, long spurred. Flabellata Nana Alba. Dwarf; pure white. Haylodgensis. Satiny rose, long spurred; a splendid new sort. 25c. each; doz., \$2.50; \$17.50 per 100.

Helenae. A large blue flowering sort with pure white spurs.

Conditiona. Pure white; long

Nivea Grandiflora. spurred.

Rose Queen. A newer variety of a pleasing shade of delicate pink, long spurred flowers.

Californica Hybrida. A grand mixture of long spurred varieties covering all shades and colors in this class.

Erskine Park Hybrids (Mixed Colors). A grand mixture of finest varieties, including every color in Columbines. Price of Aquilegias, except where noted, 20c. each; doz., \$2.00; 100, \$12.00.

Arabis (Rock Cress)

Dwarf bushy plants six inches high; ideal for rockeries and borders. It remains in flower a long while, presenting a perfect carpet of bloom.

Alpina. Single snowy-white flowers, 20c. each; doz., \$2.00; \$12.00 per 100.

Alpina Fl. Pl. Double white, very showy.

25c. each; doz., \$2.50; \$17.50 per 100. Alpina Rosea (New). A distinct novelty. The plants are literally covered with rose-pink flowers in April and May. 25c. each; doz., \$2.50; 100, \$17.50.

Arenaria

Montana. A pretty rock plant, having the habit of Cerastium; grows 4 inches high; flowers white and borne in greatest profusion. 25c. each; doz., \$2.50.

Aristolochia (See Page 175) Armeria (Sea Pink or Thrift)

Maritima Bee's Ruby. Beautiful ruby red. A splendid novelty, 25c. each; dozen, \$2.50; \$17.50 per 100.

Maritima Leucheana Rosea. Bright pink, profuse bloomer. 25c. each; dozen, \$2.50; \$17.50 per 100.

Maritima Leucheana Alba. Pure white. 25c.

each; dozen, \$2.50; \$17.50 per 100.

Maritima Splendens. Bright rosy pink; 12 inches. 20c, each; dozen, \$2.00; \$12.00 per 100.

Maritima Alba. Forms neat tufts studded with white flowers. 20c. each; dozen, \$1.50; \$10.00 per 100.

Asclepias (Butterfly Weed)

Incarnata (Swamp Milkweed). Very showy border plant; 21/2 feet high; rose pink flowers in July and August.

Tuberosa. A showy plant, 2 feet high, with large heads or clusters of orange flowers blooming in July and August. The bright color is quite a contrast to white and other flowers when planted in the hardy border; fine for cutting.

Price of Asclepias, 20c. each; doz., \$1.50; \$10.00 per 100.



Aquilegia or Columbine

Hardy Asters (Michaelmas Daisy)

Tall-flowering, stately plants, which may be used with splendid effect in borders and as specimens in lawns, in large groups or beds. It forms the basis of a color scheme in a perennial border during the months of September and October and often lasts well into November. The rich shades of blue and purple blend harmoniously with most any surrounding. They thrive equally well in sun or partial shade. For cutting they are invaluable. The wire range of color makes this one of our finest summer and autumn flowering perennials.

Abendrote (Evening Glow). A very choice variety; 21/2 feet high, with rosy red flowers. 25c. each; doz., \$2.50; \$17.50 per 100.

Advance (New). Clear Cambridge blue, bright yellow disc; habit similar to Climax; 5 feet; September-October. 25c.

each; doz., \$2.50; \$17.50 per 100.

Amellus Preziosa. Has very fine flowers of a deep dark violet color. 25c. each; doz., \$2.50; \$17.50 per 100.

Perry's Pink. A pleasing bright pink; one of the best in this color; September. 25c. each; doz., \$2.50; \$17.50 per 100.

Amethystinus. Beautiful amethyst blue; a very rich shade and showy; October-November. 25c. each; doz., \$2.50; \$17.50

Beauty of Colwall. A grand double-flowering type of a beautiful lavender shade; height, about 4 feet; September. 25c. each; doz., \$2.50; \$17.50 per 100

Beauty of Ronsdorf. Undoubtedly one of

the finest hardy Asters; the plants are of a branching habit, covered with large delicate lilac rose flowers from August to October. 25c. each; doz., \$2.50; \$17.50

Climax (New). A clear light blue, with large golden centre: flowers are often 2 inches across; lasting a long time when cut. An exceptional beautiful variety for decoration; 4 to 5 feet; September. 25c. each; doz., \$2.50; \$17.50 per 100.

Hardy Asters (Continued)

Don (New). Large blue flowers suffused with pink, bright yellow centre, somewhat after the style of Climax. 4 to 5 feet; September. 25c. each; doz., \$2.50; \$17.50 per 100.

Ericoides Alba. Lovely heather-like foliage, densely covered with white flowers; very graceful; September; 3 to 4 feet.

25c, each; doz., \$2.50; \$17.50 per 100.

Ericoides Superba. Graceful branching habit; pale blue flowers; 6 feet; October. 25c. each; doz., \$2.50; \$17.50 per 100. Feltham Blue. One of the most decora-

tive blue varieties; 21/2 feet.

Grandiflorus. One of the finest, quite distinct from all others. The flowers are of a beautiful dark violet color, often measuring 2 inches in diameter; October-November; 21/2 feet. 25c. each; doz., \$2.50; \$17.50 per 100.

Lady Trevelyan. Pure white; one of the best for cut flowers; 4 feet; August to October. 25c. each; doz., \$2.50; \$17.50 per 100.

darjorie Hickman (New). Silvery mauve flowers of fine form; good for Marjorie cutting; 4 to 5 feet; September. 25c.

each; doz., \$2.50; \$17.50 per 100.

Mrs. F. W. Raynor. Large, bright rosy red flowers; one of the best; September-October; 3 feet. 25c. each; doz., \$2.50; \$17.50 per 100.

Nancy Ballard (New). The finest intro-duction of recent years. This is best described as a rosy lilac Beauty of Colwall; of erect habit, producing its flowers in great profusion, which on first opening are perfectly double, eventually passing to semi-double; 4 feet; August. 50c. each; doz., \$5.00.

Photograph (New). A very valuable variety; excellent for cutting; 2½ feet; flowers white, shaded lavender. each; doz., \$2.50; \$17.50 per 100.

Ptarmacoides. Small, pure white flowers; erect dwarf habit; is a continuous bloomer and makes a desirable border plant. 20c. each; doz., \$2.00.

Queen (New). Best described as a white Climax; with only a faint tinge of blush, but all the good qualities of the parent; 4 to 5 feet; September. 50c. each; doz., \$5.00.

Robert Parker. Fine lavender blue, with yellow centre; very tall; September.

Roseus Superbus. A most beautiful Aster; the plant is of sturdy, branching habit, and forms a round flower head; about 2 feet high, with exquisite rosecolored blooms.

St. Egwin. Densely branched, producing beautiful pink flowers; 3 feet; Septem-

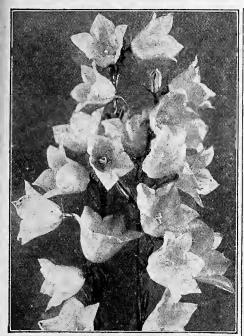
Price of the above Asters (except where noted), 20c. each; doz., \$2.00; \$12.00 per

Alpine Asters

Flowering in June and July. For rockwork they are almost indispensable.

Alpinus (Blue Mountain Daisy). Flowers bright purple; 6 inches high.

Alpinus Albus. White flowers, 6 inches. Subcoeruleus. Bright mauve flowers with vellow centres. 2 feet.



Campanula or Bell Flower

Artemisia

Abrotanum (Old Man). Dark green foliage, which has a pleasant aromatic odor. Lactiflora. An excellent perennial with flower stems 3 to 4 feet long, covered with creamy white flowers. A planting of these mingled with colored perennials makes a grand sight; blooms continuously from August until late September. 25c. each; doz., \$2.5o; per 100, \$17.5o. **Pedemontana.** Very ornamental variety,

with finely cut silvery foliage; 2 feet high, Stellariana. (Old Woman). Silvery foliage; extensively used for carpet bedding;

18 inches. Price of Artemisias, except where noted,

Asperula (Woodruff or Waldmeister)

20c. each; doz., \$2.00; \$12.00 per 100.

An old-fashioned favorite perennial, grown in the half shade. The leaves are used for flavoring May Wine in Germany. When dried, like lavender, they can be placed among clothes, as they retain their fragrance for years.

Odorata. Small, pure white flowers; 6 to 10 inches high. 25c. each; doz., \$2.50.

Astilbe Arendsi

The plants of this Spiraea type are of vigorous growth; 2½ to 3 feet high, producing branched feathered heads of flowers in June and July. They prefer a half shaded location in any ordinary garden soil. Ceres. Brilliant lilac rose.

Juno. Vigorous grower, with plumes of a

deep violet color.

Salmon Queen. Graceful plumes of a beautiful salmon pink.

Venus. Plumes are of a brilliant purplish pink color; charming new variety.

Vesta. Light lilac rose plumes; free-

flowering.
Prices of the above Astilbes (except where noted), 40c. each; doz., \$4.00; per

Special Offer.—One each of the above Astilbe Arendsi for \$1.75.

The two varieties offered below are vigorous growing plants with beautiful feathered flower heads. They like a half shaded location, and plenty of moisture.

Davidii. The stems, which are 5 to 6 feet high, are crowned with feathery plumes of deep rose violet flowers; June-July. 25c. each; doz., \$2.50; \$17.50 per 100. Grandis. The panicles of white flowers are

frequently $2\frac{1}{2}$ feet long; very attractive; fine foliage; blooms July-August. 25c. each; doz., \$2.50; \$17.50 per 100.

Aubrietia (Wall Cress)

A suitable plant for rock gardens; the broad mass of light green foliage is covered with a sheen of flowers in spring and summer; 6 inches high.

Bougainvillei. Very showy, purple flowers. **Graeca.** Deep purple.

Leichtlini. Bright reddish crimson. Price of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

Baptisia (False Indigo)

Australis. A robust growing plant, suitable for the border or wild garden. Foliage is dark green, deeply cut; the flowers are dark blue, borne on spikes, in June and July; 2 feet high. Price of Baptistas, 20c. ea.; doz. \$2.00, \$12.00per100.

Tinctoria. Spikes of bright yellow blossoms, 2-3 feet.

Bignonia (See Page 175)

Bocconia (Plume Poppy)

Cordata. A splendid plant, growing sometimes 6 feet high, bearing panicles of creamy-white flowers in July and August; makes a grand effect as a centre in a hardy bed or a border background. 20c. each; doz., \$2.00; \$12.00 per 100.

Boltonia (False Chamomile)

Tall-growing, showy plants, with hardy aster-like flowers, appearing in September; 5 to 7 feet.

Asteroides. Pure white; 5 to 6 feet. Latisquama. Pink, tinted lavender; 6 feet. Latisquama Nana. Pink, tinted lavender; 2 feet high.

The above, 20c. each; doz., \$1.50; \$10.00

Campanula (Bell Flower)

Showy perennial plants of special merit; some are tall, suitable for borders; others are dwarf, for rockeries and edging. In very well-ordered hardy garden Campanulas should have a prominent place. They delight in a good rich loam, preferring a semi-shaded place. The taller varieties should be carefully staked, to prevent them from being broken during windstorms. If the flowers of Campanulas are cut as they fade, it greatly prolongs the blooming period.

Alliariaefolia. Graceful stems of white

flowers, blooming in July; 3 feet high.

Calycanthema (Cup and Saucer). These are biennials, and last only one season, when planted in the autumn; Pink, White, and Blue, each color separate; height, 18 inches; June-July.

Carpatica (Carpathian Hare Bell). Very dwarf and shrubby; ideal for border or rockery planting, being about 8 inches high; flowers from June till frost. Blue and White, each separate.

Campanula—Continued.

Glomerata (Cluster Bell Flower). Densely decked stamens of violet-colored flowers appearing in July and August; height, 20 inches

Media (Old fashioned Canterbury Bells). This is a biennial type, like the Calycanthema, and will last only one season, when planted in the autum. It flowers freely in June, July and August, and grows 3 to 4 feet high. Blue, Pink, and White, in separate colors, also in Mixed

Pyramidalis (Chimney Bell Flower). The tallest of all Bell flowers, growing from 5 to 7 feet in height, the massive flower stalks being dressed with the beautiful bells from August till October. These being such strong growers, require rich soil and an occasional supply of liquid manure. Blue and White, each separate,

25c. each; doz., \$2.50; \$17.50 per Ioo.

Persicifolia (Peach Bell). Extremely hardy, making a splendid show in June, July and August. The stately spikes are tall, often 3 feet high, and present a grand appearance.

Alba. Pure white.

Coerulea. Light blue.

Bells). Trachelium (Coventry flowers June and July; 3 feet high.

Latifolia Macrantha. Very handsome, large drooping bells of a fine satiny lilac and .deep purplish shades. 3 feet. **Humosa.** Large semi-double bells of the

most beautiful blue. 21/2 to 3 feet. 25c. each; doz., \$2.50.

Moerheimi. A handsome variety with large open pure white semi-double flowers, borne on stiff, erect flower stalks. 25c. each; doz., \$2.50.

Rotundifolia (Blue Bells of Scotland). Light, graceful spikes of drooping deep blue flowers. 6 to 12 inches.

Price of any of the Campanulas (except where noted), 20c. each; doz., \$2.00; \$12.00 per 100.

Calimeris (Starwort)

Incisa. Attractive border plant, growing from I to 11/2 foot high. The daisylike flowers are of a delicate lavender shade, with a yellow centre; blooms from July to September. 25c. each; doz., \$2.50; \$17.50 per 100.

Callirhoe (Poppy Mallow)

Involucrata. Large crimson flowers with white centre, much resembling a giant mallow or Hibiscus; blooms all summer. 20c. each; doz., \$2.00; \$12.00 per 100.

Lineariloba. Large Poppy-like flowers, crimson and white; 9 inches; June-September. 20c. each; doz., \$2.00; \$12.00 per 100.

Caltha (Marsh Marigold)

Meritorious showy perennials; effective when massed by the side of streams or ponds, growing 12 to 15 inches high and flowering in early spring.

Palustris. Single; bright yellow. each; doz., \$1.50; \$10.00 per 100.

Palustris Flore Pleno. A double-flowering variety of the above. 25c. each; doz., \$2.50; \$17.50 per 100.

Beautiful Palustris semi-plena. semi-double form of the Marsh Marigold; a great improvement on both the older varieties. 35c. each; doz., \$3.50.

MICHELL'S EARLY FLOWERING HARDY CHRYSANTHEMUMS 154

Those who are not yet acquainted with this type of Chrysanthemum, on seeing them for the first time, will realize at once their wondrous beauty and free-flowering qualities. Although they are principally cultivated as an outdoor plant, they respond

wonderfully when grown inside.

The varieties of these, which we list, are the cream of European sorts, and are a wonderful advance on the popular Pompon types. They are chiefly conspicuous by the fact that some varieties commence to bloom as early as August and continue in flower until cut down by severe frost. The blooms of most kinds measure as much as $3\frac{1}{2}$ to 4 inches across, and if disbudded, form handsome specimen blooms on long stems, admirably adapted for decorative purposes. We predict that when these become better known they will entirely supersede the smaller type of hardy "mums" now in general use. The plants grow in compact form and are usually covered with bloom.

SUGGESTION. - While generally conceded to be hardy we recommend a slight protection of long straw manure over the roots of all hardy Chrysanthemums during the winter months, or better yet, after they have finished blooming cut the plants down,

lift them and place in a cool cellar (light and airy) or in a cool frame and set out in the spring.



Normandie

A. Barham. A beautiful orange bronze, and the earliest of this color to bloom. A wonderful color under artificial light, when used as a decoration.

Almirante (New). Orange buff at base of petals; shading to primrose yellow at edge of petals; a large fine flower which, when disbudded, is often 6 in. across; 30c. each; \$3.00 doz.

Blanche Neige (New). Pure white, a splendid flower; excellent for cutting; greatly recommended; September-October; 2½ feet; 30c.; \$3.00 doz.

Carrie. An old favorite; deep yellow; very prolific.

Champagne. Rich, ruby red; of wonderful free-flowering habit. It is among the later varieties, starting to flower early in October and lasting until mowed down by frost.

Chatillon (New). Citron-yellow with a slight reddish tinge, which gives the flower a charming appearance. Very and vigorous grower. Sept.-Oct. 30c. each; doz., \$3.00.

Cranfordia. We can strongly recommend this variety for cutting. It is perfect in flower, stem and foliage. Very free flowering; color lemon yellow.

Cranford's Pink. An exquisite shade of mallow pink. The plant has a stiff branching habit. When cut in long sprays, it is a wonderful sight. Early October. 30c. each; doz., \$3.00.

Cranford's Yellow (New). A magnificient golden yellow; flowering in October; a strong flower and very free; 30c.; \$3.00 doz.

Eden. Bright rose with silver reverse; large, well-formed, incurved flowers; free-flowering.

Ethel Blades. A distinct shade of chestnut red, in fact the color is so unique that it is difficult to appreciate, unless one actually sees it in bloom.

Fee Parisienne (New). Flower mallow-purple, 3½ in. in diameter, freely produced; florets long and drooping, incurved in the centre. Middle of Sept. A very distinct variety. 30c. each; doz., \$3.00.

Firelight. Brilliant carmine, shaded with scarlet; ready for cutting Oct. 1st.

Goachers Crimson. This variety grows about 2½ feet high. When disbudded, the rich crimson blooms are often 5 in. in diameter. It begins to bloom early in September.

Hortense Malgot. Color a magnificent pink. A strong grower, producing freely large clusters of flowers early in October.

L'Argenteuillais. A splendid grower, bearing magnificent flowers of a glowing shade of chestnut red.

La Garonne (New). Reddish salmon, tinted old rose; very free, large flowering; 2 feet; Sept.-Oct. 3oc. each; \$3.00 doz. La Parisienne. A very large white type, producing extra fine flowers, blooming towards the end of September.

Marie Dufour. Grows one foot high; is absolutely snow-white in color. The showiest variety for use as a border and makes an ideal pot plant.

Martin Reed (New). Pure yellow sport from Perle Chatillonaise. The best early flowering yellow yet offered. 30c.

each; doz., \$3.00.

Normandie. Delicate pink of a lovely shade. One of the earliest, beginning in August and lasting well into October.

Perle Chatillonaise. Flower creamy white; 4 inches in diam-

eter and freely produced.

Petit Louis. Beautiful silvery mauve. Plant is a very strong grower, and one of the most satisfactory varieties for outdoor cultivation.

Primaveri. Flowers pale lemon yellow when young, becoming cream when fully expanded; plant forming a good, round headed bush. October.

Provence. Beautiful rose color, with a golden centre, forming a large imbricated bloom; of splendid branching habit and a vigorous grower; September-October; 2½ feet.

Price (except where noted) of any of the Chrysanthemums on this page, in strong plants, that will flower the first season, 20c. each; doz., \$2.00; \$15.00 per 100.

SPECIAL OFFER: One each of the 25 varieties on this page for \$4.50.



Cranford's Pink

MICHELL'S HARDY CHRYSANTHEMUM PLANTS

"THE QUEEN OF AUTUMN FLOWERS"

We make a specialty of these, our collection consisting of the very best sorts

No class of flowering perennials adds such a wealth of color and bloom in autumn to the garden as these. The plants are literally covered with flowers from the middle of September till the snow buries them. Our collection is made up from the best sorts, all undesirable ones (after testing) having been discarded. See also pages 154 and 156 for other Hardy Chrysanthemums.

NEW SINGLE VARIETIES

We take great pleasure in announcing that, after conducting trials with a number of seedlings of our own raising during the past few years, we are able, this season, to offer three new varieties, which, we feel confident, will fill a long felt want. For vigorousness of growth, freedom of flowering, and decorative effect in the garden, they are unsurpassed. They produced an abundance of fine flowers on good cutting sprays from Oct. 10 to Nov. 20. The three following varieties were submitted to the Chrysanthemum Society of America, and received very favorable reports from the examining committee.

Delicata (Michell 1917). Cameo pink, large flowered.
Gorgeous (Michell 1917). Glowing Daphne red, medium sized flowers.

Rosamundi (Michell 1917). Persian lilac shading to tourmaline pink. Large flowered.

We also strongly recommend the above three varieties for growing in pots for conservatory decoration. They will flower during the first days of October, when outside flowers are beginning to be on the wane. Price of the above three new varieties 30c. each; doz., \$3.00; \$20.00 per 100.

SPECIAL OFFER: I each of the above 3 new Chrysanthemums 8oc.

GENERAL COLLECTION OF SINGLE VARIETIES

Aaron. Bronze scarlet with a bright yellow centre.

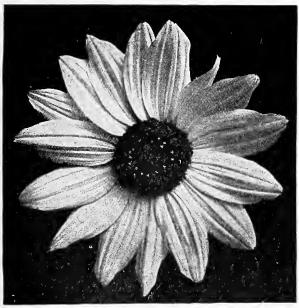
Miss Mary Pope. Pale pink, very large flowers, one of the best. Mrs. Whitehorn. Salmon terra-cotta, an excellent keeper, and one of the best cut flower varieties.

Mrs. W. E. Buckingham. In color, a brilliant shade of rose pink, a vigorous grower.

Red Riding Hood. Brilliant crimson flowers of good size, developing fully in early October. A splendid variety for cut sprays. Excellent for garden and border planting.

Price of the above, 5 single, hardy Chrysanthemums, 15c. each; doz., \$1.25; \$8.00 per 100.

SPECIAL OFFER; One each of the 5 sorts for 60c.



Chrysanthemum (Shasta Daisy)



Type of Single Hardy Chrysanthemum

HARDY CHRYSANTHEMUMS (Daisy Types)

This class of perennials are real gems of the hardy order; the beautiful large flowers are produced in great numbers on long stems and fine for cutting, as they keep a long while when placed in water. The flower petals are long and snowy white with bright yellow centres; the individual blooms often measure 4 inches in diameter. This class of Chrysanthemum is absolutely hardy.

Arcticum (Arctic Daisy). This hardy perennial is a native of Alaska. It is very attractive, having pretty dark green foliage, and in September multitudes of pure white flowers, 2 to 21/2 inches across, make their appearance and continue in bloom through October and November. 25c each; \$2.50 doz.; per 100, \$17.50.

Maximum King Edward VII. Snowy white, cup shaped, enormous flower, grown on stout stems 3 to 4 feet. 25c. each; doz., \$2.50; \$17.50 per 100.

Maximum Vermorense. This variety has done exceptionally well with us in our Nurseries. The flowers are single, borne on stems 18 inches long and often measuring 3 inches in diameter; pure white. We can best describe it as a glorified Shasta Daisy. July to September. 25c. each; \$2.50 doz.; per 100, \$17.50.

Leucanthemum Alaska. (Shasta Daisy). Pure white; yellow. 25c. each; doz., \$2.50; \$17.50 per 100.

Leucanthemum Davisii. Pure white, with yellow disc; very free and early bloomer. 25c each; doz., \$2.50; \$17.50 per 100 Shasta Daisies Mixed. A mixture of the leading varieties of white sorts. 20c. each; doz., \$2.00; \$12.00 per 100.

156 MICHELL'S HARDY CHRYSANTHEMUMS

NEW AND IMPROVED HARDY POMPON VARIETIES

Baldwin's Scarlet. As the name implies, this is the nearest approach to scarlet in color that has so far been produced. Harvest Moon. Clear golden yellow in color, maturing October 20th to October 25th. The plant is very prolific, making an immense quantity of flowering shoots.

Illona. A beautiful shade of rosy lavender. Matures November 10th. Lillian Doty. The finest pink in the large-flower section of the entire Pompon family. The plant is a tremendous grower, producing beautiful sprays of clear light pink flowers.

Shell-pink, changing to white, the petals tipped a darker pink. Flowers are of medium size; about November 15th.

Nippon. This Pompon makes an ideal pot plant, being shortjointed and bushy in growth, forms a perfect plant with practically no pinching. Color flesh-white, with light yellow centre. Also one of the best outdoor varieties. Season of flowering first week in November.

Niza. A very early delicate pink variety, maturing October 10th.

medium dwarf.

Nordi. A pure white Pompon, maturing November 10th to Thanksgiving. Seven to eight medium sized flowers to the spray with strong wiry stems.

Peace. Is a strong growing variety, producing an abundance of flowering shoots. The color is white, showing, however, a tinge of pink. It matures about November 10th.

Rodi. A distinct variety, purplish rose or amaranth, of a bright pleasing shade. Strong, upright habit of growth.

Western Beauty. Deep rose-pink in color, flower medium size. Growth medium, throwing straight stems with all the flowers erect. It flowers from November 10th until Thanksgiving.

White Doty. This is a hardy plant that will grow outdoor just as well as in the greenhouse, and will give the grower wonderful results grown either way. This charming variety fascinates everyone. Color, pure milk white.

PRICE of the above, 12 new and improved sorts 20c. each; doz., \$2.00; \$15.00 per 100.



Hardy Chrysanthemum "Western Beauty"

GENERAL COLLECTION OF HARDY POMPON **VARIETIES**

Baby. Everybody's favorite. The smallest yellow variety grown. Very late.

Baby Margaret. A white sport of baby, with flowers a trifle larger, and coming a little earlier.

*Bronze Source d'Or. One of the so-called decorative varieties.

Larger than the Pompon type, is excellent for cutting in sprays or for growing in pots. Color, a deep golden bronze.

*Barney. Golden bronze. medium size flower. *Dawn. Daybreak shade of pink, small flowered variety.

*Doris. Reddish bronze, a color always in demand, wonderfully free and bright for outdoor blooming.

*Eldorado. Bright golden yellow, open centre.

*Excelsior. Large flower, bright orange yellow, long stems.
*Elva. The most beautiful of white Pompons, pure in color, of full, fluffy form.

*Eleganta. Deep pink, shaded white, medium size flowers, medium height, early flowering.

Fairy Queen. Clear pink in color with nicely formed flowers, medium size. A very fine mid-season variety.

*Golden Climax. Orange yellow. The finest of the many yellows,

possessing every necessary qualification. Blooms November 10th to 20th, very free and long stem.

*Golden Harvest. A medium sized variety of the button type.

Deep golden yellow with a tinge of bronze, a color which, when finished. is very pleasing.

Golden West. A duplicate of the yellow baby, except it is twice as large. Rather compact in growth, but an excellent variety for pot plants.

*Irene. Pure white, shaded flesh, dwarf grower, very free and early bloomer, also excellent for pot plants.

*Iva. Small flowers of deep bronze, mid-season. One of the freest flowering varieties we have.

*James Boone. Pure white, very fine.

Julia Lagravere. Crimson maroon in color, and very late; best variety in its color, produces fine sprays for cutting.
*Leota. Delicate pink with bright rose reverse which gives the

effective bright centre in each bloom if cut a few days before fully developed; dwarf habit.

Lillia. Tall, stiff stems, good size flowers, freely produced, deep red in color, excellent for cut sprays.

Lula. White in color, medium size flowers, late.

*Lyndhurst. Small flowers, very deep red, mid-season. The best variety of this color for outdoors.

*Minta. A very free flowering, light pink; owing to its upright growth it is one of the best for specimen plants.

Mrs. Frank Beu (Syn. Frank Wilcox, Souvenir d'Or). Golden bronze, coming into bloom late. Makes a very fine pot plant, and is excellent for cutting for Thanksgiving. Plants tend to overbud in small pots, but this tendency will be outgrown when planted.

*Mrs. Porter. Bright bronze, fine for cut flowers.

*Myers' Perfection. Fine pure white, tall grower.

*Nesco. Old rose in color, maturing about October 20th.

Flower of button type. As a producer, Nesco has shown it is one of the best.

*Nellie Rainsford. Very dwarf, light pink. Free and early flowering.

*Overbrook. Very free flowering; golden yellow; button type;

*Orange Pet. Pretty shade of orange terra-cotta; flowering the early part of October.

*Pink Beauty. Rose pink flowers of medium size.

Queen of the Whites. Fine creamy white, best in its color. Quinola. Large flowers, golden yellow in color. Strong growing plant, very fine for cutting and sprays. Late.

*Rufus. Small flower, button type, reddish bronze in color. One of the finest and freest and very bright in the garden. *Skibo. Earliest of all, opens bronze, maturing into yellow. Large spray, small flowers, freely produced.

*Utan. Light magenta, edged white, producing five or six flowers of wonderful substance to a spray. A pleasing variety which we strongly recommend.

*Viola. Rich violet red.

*The varieties starred are recommended for outdoor growing. PRICE of the above Hardy Pompon Chrysanthemums 15c. each; doz. \$1.25; \$8.00 per 100.



Dianthus or Hardy Pinks

Carnations (Hardy Border Varieties)

This class embraces a marvelous range of color, from pure white through all shades of pink, from light to darkest yellow, also light and dark red. Mixed colors only, 25c. each; doz., \$2.50; \$17.50 per 100.

Cassia (American Senna)

Marilandica. A desirable perennial yielding enormous sprays of oddly formed flowers, bright yellow; the foliage is also showy; 3 to 4 feet; July and August. 20c. each; doz., \$2.00; \$12.00 per 100.

Caryopteris

(Blue Spiraea). A hardy Mastacanthus perennial of the easiest culture, flowering in September and October. The flowers are light blue and are borne in globe shaped heads; 2 feet high. 20c. each; doz., \$2.00; \$12.00 per 100.

Catananche (Cupid's Darts)

The flowers, which are splendid for cutting, resemble somewhat the Cornflower, blooming during July and August.

Bicolor. Blue and white; 2 feet high.

Coerulea. Bright blue; 2 feet. The above 20c. each; doz., \$2.00; \$12.00 per 100.

Cedronella (Balm of Gilead)

Cana. Long spikes of purple, salvia-like flowers, with highly scented foliage; 21/2 feet high; July to September. 20c. each; doz., \$2.00; \$12.00 per 100.

Centaurea (Perennial Cornflower)

Fine border plants, producing flowers suitable for cutting; these are quite large, and a bunch makes an attractive display; 2 feet high; flowering from July to September.

Dealbata. Bright rose; 18 inches high. Macrocephala. Golden yellow. Montana. Rich violet blue.

Montana Alba. Pure white.

The above 20c. each; doz., \$2.00; \$12.00 per 100

Celastrus (See Page 175)

Chamaepeuce (Blessed Thistle) Diacantha. Thistle-like, crimson flowers, 21/2 feet high; August and September. 20c. each; doz., \$2.00; \$12.00 per 100.

Chelone (Shellflower)

Handsome border plants, growing about 2 feet high, and bearing numerous spikes of large flower heads during summer and autumn.

Glabra Alba. Large spikes of cream

white flowers.

\$17.50 per 100.

Lyoni. Handsome perennial, which grows in any soil; lovely soft pink flowers.

Lyoni Speciosa. A dwarf light pink va-

riety. Price of Chelones, 25c. each; doz., \$2.50;

Clematis (Climbing Sorts) (See Page 174)

Clematis (Shrubby Varieties)

This type of Clematis deserves a place in every garden. They form erect bushes, 2½ to 3 feet high, and the flowers, which last

a long time, are very attractive.

Campanile (New). Plant forming a clump 4 feet high, with foliage like C. Davidiana; the stems are covered with a profusion of flower clusters; the individual flowers are similar to Hyacinths, when opening, then they become well expanded and reflexed. Color light azure blue, shading to white in the centre. 35c. each; doz., \$3.50.

Davidiana. A beautiful variety, with bell shaped deep blue flowers, which are de-liciously fragrant; 3 feet high; August and September. 20c. each; doz., \$2.00;

\$12.00 per 100.

Recta. Very effective plant, with large showy clusters of pure white flowers. 25c. each; doz., \$2.50; \$17.50 per 100.

Recta Fl. Pl. This is one of the best

Perennials in cultivation; it is identical in every respect with Erecta, except that the pure white flowers are double and larger; it should be in every collection. 35c.

each; doz., \$3.50.

Cote d'azur. Deep azure blue flowers, produced in panicles in form of small pyramids along all the branches. 4 feet high.

50c. each; doz., \$5.00.

Recta Grandiflora (True). A rare novelty, producing large panicles of pure white flowers, I to 11/4 inches across; height, 3 feet; very scarce. 50c. each; doz., \$5.00.

Oiseau Bleu (New). Small foliage, erect stems; the upper part of the plant being covered with light and elegant panicles; flowers, when opening, similar to Hyacinths, then taking a star-like form; azure blue, fading to pale pinkish lilac. 50c. each; doz., \$5.00.

Cerastium (Mouse Ear)

Tomentosum. A low, creeping evergreen, with silvery foliage and white flowers. Good for rockeries, much used for covering graves; does well in the sun. 20c. each; doz., \$2.00; \$12.00 per 100.

Cinnamon Vine (See Page 175)

Coronilla (Crown Vetch)

Varia. A rampant creeper with handsome globular flower heads of showy bright pink and white sweet pea shaped flowers; a useful plant for covering rough banks or for the rockery. 20c. each; doz., \$2.00; \$12.00 per 100.

Cimicifuga (Snake Root)

Racemosa. Tall growing plant, 4 to 6 feet high, well suited for borders or naturalizing at the edge of woods; flowers pure white; July and August. 25c. each; doz., \$2.50; \$17.50 per 100.

Dahurica. Bold, erect, cylindrical flower

stems, over 4 feet high with a wealth of creamy white flowers in August and September. 25c. each; doz., \$2.50; \$17.50

per 100.

Simplex. One of the latest plants to flower in our collection, beginning to bloom in late September and attaining its greatest beauty about Mid-October, when good flowers are scarce. The spikes, 2 to 3 feet long, are covered with beautiful white flowers; excellent for cutting. 40c. each; doz., \$4.00.

Coreopsis

Lanceolata Grandiflora. Flowers rich golden yellow of graceful form and fine for cutting. A few plants make a hand-some display, either planted individually or in clumps; the flowers are produced in thousands on a single plant, and where quantity and quality are wanted, Coreopsis should be planted; June till October; 3 feet. 20c. each; doz., \$1.50; \$10.00 per 100.

Verticillata. A slender growing perennial, somewhat in appearance to the Nigella or Love-in-a-Mist. Flowers rich golden vellow. 2 feet. 20c. each; doz., \$2.00; \$12.00

per 100.

Daisy (Bellis Perennis)

The English Daisy is one of the first of spring flowers, blooms at the first spell of warmth. Planted in Rose borders or bulb beds between Hyacinths and Tulips they produce a show in a place that would otherwise have a dead appearance. A combination of these with Myosotis and Pansies produce a rare treat in early spring flowers. They make a similar effect planted among late Tulips, covering the bare ground between the bulbs very effectively. We grow the Giant flowering strain and offer vigorous plants in Monstrosa type.

White, Pink, Red; each separate. 15c.

each; doz., \$1.25; \$8.00 per 100.

Delphinium (See Page 134) Dianthus (Garden Pinks)

They are brilliantly colored flowers, which appear in great numbers on the plant, and have a rich clove scent. For table bowls, as a cut flower, they are much in use. For edging hardy borders, garden walks, or planted in rock gardens, they fill an important place. They are at their height of bloom in June.

Deltioides (Maiden Pink). A continuous flowering variety with pink flowers. Especially suited for rock work.

Deltoides Alba. White flowers.

Lactifolius Atrococcineus Fl. Pl. (Everblooming Hybrid Sweet William). A splendid variety with brilliant crimson double flowers. Flowers continuously during the entire season. Each of the above 20c. each; doz., \$2.00;

\$12.00 per 100.

TESTIMONIAL

Paoli, Pa.

The plants you sent me were the best I ever had and the seeds are as good as the very best. GEO. M. TRIMBLE.

Dianthus Barbatus (Sweet William) Mixed and Separate Colors (see Page 172)

Dictamnus (Gas Plant)

One of the hardiest of all perennials, which often will last for a generation and The foliage is fragrant, while the longer. spikes of rather oddly shaped flowers emit a luminous vapor, which is said to be inflammable. Height about 2 feet, flowering in June and July.

Caucasicus. A gigantic form, with rosepink flowers of very large size. 25c. each; doz., \$2.50; \$17.50 per 10o.

Fraxinella. Rose pink flowers with dark

veins.

Fraxinella Alba. Pure white.

Each of the above, except where noted, 20c. each; doz., \$2.00; \$12.00 per 100.

Digitalis (Foxglove)

These showy plants are but biennials (that is, live outdoors for two seasons), but can be made perennial by the following treatment: Immediately after blooming remove the flower stalk right down to the ground, also crop some of the large leaves; the result is a number of new plants start from the old crown, which produce splendid flowers the second year. Digitalis will do well in semi-shaded spots; plants grow from 4 to 6 feet high; flower in June. Especially attractive when planted in rows as a background for a perennial border. Gloxiniaeflora White.

- Pink.
- .. Blue or Purple.
- Lilac.
- " Mixed. All colors.

Grandiflora Yellow.

Lanata. A distinct species, producing dense spikes of curious looking flowers, the corolla being gray, the lips white. Any of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

Dielytra (Bleeding Heart)

Formosa. This dwarf-growing species has finely cut ornamental foliage, and produces its attractive pink flowers in great profusion from April to August; 15 inches high. 20c. each; doz., \$2.00.

Spectabilis. One of the most beautiful border and shrubbery plants, with graceful, fern-like foliage and attractive heartshaped pink and white flowers appearing in April. Large roots, 20c. each; doz., \$2.00; \$15.00 per 100.

Doronicum (Leopard's Bane)

This flowers very early in the spring; about 2 feet high. Is most effective when planted in masses. The plants can be taken up in the fall if desired (although they are perfectly hardy) and be made to bloom indoors. It is a fine cut flower, closing towards the end of the day and opening up each morning. Flowers June and July.

Clusii. Dwarf; large, soft yellow flowers; 2½ to 3 inches across.

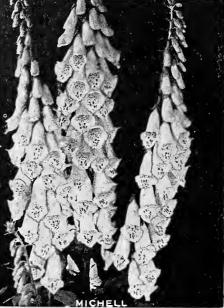
Caucasicum. Exceptionally free bloomer,

rich yellow; a vigorous grower.

Magnificum. Bright yellow, 2 to 3 feet; very showy.

Plantagineum Excelsum. Spring-flowering, robust growing variety with deep yellow flowers, appearing at intervals during the entire summer.

Price of Doronicums, 25c. each; doz., \$2.50; \$17.50 per 100.



Digitlis or Foxglove

Echinops (Globe Thistle)

Handsome plants for the border or wild garden.
Ritro. A noble effective variety for shrub-

beries and borders, producing handsome, blue, globular flowers; valuable for cutting. 31/2 feet.

Ruthenicus. Interesting and showy, solid round heads of lovely blue flowers, on branching stems. 3 feet.

Sphaerocephalus. Large, white flowers, fine for a background; plants growing 5 to 6 feet tall.

Price of any of the above Echinops, 25c. each; doz., \$2.50; \$17.50 per 100.

Edelweiss (Gnaphalium)

Leontopodium Alpinum. This is a favorite Alpine plant of the Swiss Mountains, and is found growing in abundance everywhere on the Alps. The plant is everywhere on the Alps. dwarf, about 4 inches high, with gray foliage, which lies close to the ground, is surmounted with stalks of grayish white, fuzzy flowers of a trilobed appearance. The flowers may be cut as an everlasting, and they will keep indefinitely. This is a splendid plant for a rock garden. 25c. each; doz., \$2.50; \$17.50 per 100.

Epimedium (Bishop's Hat)

Dwarf plants, 8 to 10 inches high, with leathery foliage and panicles of small orchid-like flowers. They do well in semishade; April-May.

Alpinum. Reddish violet. Bicolorum. Red and yellow.

Niveum. Pure white.

Sulphureum. Sulphur-yellow. Price of Epimediums, 25c. each; doz., \$2.50; \$17.50 per 100.

Eremurus

When well established these are most stately and beautiful plants. They grow 8 or 10 feet high; require a moist soil, but well drained.

Himalaicus. White. Robustus. Peach colored. Price of Eremurus, \$1.00 each; doz., \$10.00.

Erigeron (Flea Bane)

Asa Gray. A decided apricot color; the flowers are produced on branching stems. 25c. each; doz., \$2.50.

Grandiflorus Elatior. Large, bluish lilac flowers with yellow disc; 18 inches; June-July.

Intermedium. Daisy-like light pink flowers; all summer; 2 feet. 25c. each; doz., \$2.50; \$15.00 per 100.

Price of Erigerons, except where noted, 20c. each; doz., \$2.00; \$12.00 per 100.

Erinus

Alpinus Carmineus. A charming Alpine plant; grows in the crevices of rocks or walks; producing dainty sprays of rosecolored flowers.

Alpinus Albus. A white flowered form of the above.

Price of above Erinus, 20c. each; doz., \$2.00; \$12.00 per 100.

Euphorbia (Milkwort)

Cyparissias. Handsome perennial with yellow flower trusses; 12 inches high; May. 20c. each; doz., \$2.00; \$12.00 per

Polychroma. This variety grows about 2 feet high, bearing masses of chrome-yellow flowers in the form of bracts. April-May. 2 feet. 25c. each; doz., \$2.50; \$17.50 per 100.

Corollata. White flowers with small green eye, in umbels, used like Gypsophila for cutting, and as a bedder in light soil. 18 inches to 3 feet. 25c. each; doz., \$2.50; \$17.50 per 100.

Eryngium (Sea Holly)

An ornamental plant, 2 to 3 feet high. Especially valuable for shaded locations or wild garden effects. The flower may be cut and dried for winter bouquets; July-September.

Planum. Light Blue.

Amethystinum. The finely cut foliage and the thistle-like flowers are of amethystblue color; highly ornamental.

Price of the above Eryngium, 25c. each; doz., \$2.50; \$17.50 per 100.

Eupatorium

This is an effective plant, which produces fuzz-like flower heads, much resembling Ageratum. Appearing from August till

Ageratum. Appearing from August and Frost. It is fine for cutting.

Ageratoides (White Snakeroot). Pure white, 3 to 5 feet, flowering in August and September; a fine native plant.

Coelestinum. Light blue, flowering in

August; 18 to 24 inches.

Purpureum Maculatum (Joe Pye Weed). Flower heads purple to flesh color. 4 to

The above 20c. each; doz., \$2.00; \$12.00 ner 100.

TESTIMONIAL

Coldwater, Mich. The plants arrived in first-class condition and they are great. You are so very kind in your business, that any one can't help but like to deal with your firm.

> JOSEPH HERMAN Head Florist, State Public School

Funkia (Plaintain or Day Lily)

These attractive plants make fine effects. Nothing is more handsome in a garden border or a hardy bed edged with the dwarf green and a variegated foliage of the Media Picta variety. If you have a shaded spot which you want to make real attractive, plant some Funkias.

Coerulea. Dark green foliage, with light blue flowers.

Lanceolata. Lilac flowers; the latest of all; flowering in September.

Minor Alba. Dwarf growing variety with white flowers. 12 inches.

Robusta Elegans Variegata. The strongest grower among the variegated varieties; large green leaves with white bands. 25c. each; \$2.50 doz.; per 100,

\$15.00. Subcordata Grandiflora Alba. This is a large loose-growing variety, with large blue flowers and broad foliage.

ndulata Media Picta. Green foliage, with distinct white markings. Lavender Undulata Media Picta. blue flowers. This is the best of the edging varieties.

The above, except where noted, 20c. each; doz., \$2.00; \$12.00 per 100.

Gaillardia (Blanket Flower)

One of the most useful of the hardy flowers. When planted in clumps, beautiful flowers are borne in profusion and make a striking effect. They last a long while as a cut flower, and are abundant from June until frost. Height, about 2 ft.

Grandiflora. Dark brown centre, petals on the outer edge are yellow, and the centre is surrounded with a rich orange disk. 20c, each; doz., \$1.50; \$10.00 per 100.

Galega (Goat's Rue)

The flowers, which resembled a pea blossom, are borne on long racemes in great abundance. It flowers from July until September; height, 2 feet.

The best of the Galegas. Hartlandii. Large, handsome blue and white flowers and variegated foliage. 20c. each; doz., \$2.00; \$12.00 per 100.

Gentiana (Gentian)

These are amongst the most desirable of Alpine plants and are of one of the prettiest shades of blue to be found in the garden.

Andrewsi (Closed Gentian). Large terminal and auxiliary clusters of blue flowers, about 2 feet high. July-August. 25c. each; doz., \$2.50; \$17.50 per 100.

Geranium (Crane's Bill)

Good summer flowering plant, suitable for rockeries. Perfectly hardy, thriving in almost any soil.

Fremonti. Rosy purple; 2 feet.

Grandiflora. Large voilet blue; I foot. Platypetalum. Large, rosy purple flowers: 18 inches.

Sanguineum. Bright crimson; 18 inches. The above, 20c. each; doz., \$2.00; \$12.00 per 100.

Gillenia (Bowman's Root)

Trifoliata. A spiraea-like plant, with thin flowered stems, graceful foliage and rosy white blooms; 2 feet high; July-August. 25c. each; doz., \$2.50; \$17.50 per 100.

Geum (Avens)

Bright, showy flowers, which appear in great abundance in the early summer and fall, growing about 18 inches high. Attractive in border plantings.

Coccineum. Brilliant rich scarlet. 20c. each; doz., \$2.00; \$12.00 per 100.

Mrs. Bradshaw (New). Double, bright

scarlet; 18 inches. 25c. each; doz., \$2.50; \$17.50 per 100.

Miniatum Perry's Variety. Rich orange colored; splendid new variety. 35c. each; doz., \$3.50.

Glechoma (Ground Ivy)

Variegata. Very useful variegated creeper for growing over banks or for rockeries, 20c, each; doz., \$1.50; \$9.00 per 100,



Gaillardia

Gypsophila (Baby's Breath)

During August and September it is a mass of delicate flowers. These may be used as fresh cut flowers, also for a semieverlasting effect. They keep perfectly for months without water.

Acutifolia. Very narrow leaves; flowers rose colored. 2 to 3 feet. 20c. each; doz., \$2.00; \$12.00 per 100.

erastioides. White flowers, marked pink; 3 inches. 20c. each; doz., \$2.00; Cerastioides. \$12.00 per 100.

Paniculata. Feathery sprays of white flowers; useful for mist-like effects in bouquets. 20c. each; doz., \$2.00; \$12.00 per too.

Paniculata flore pleno. This handsome variety produces pretty double pure white flowers. Splendid for bouquets. 30c. each; doz., \$2.75; \$20.00 per 100.

Repens. A useful plant for the rockery,

with small white flowers; July-August. 20c. each; doz., \$2.00; \$12.00 per 100.

Helianthemum (Rock or Sun Rose)

A very pretty family of evergreen plants, covered during May and June with flowers of the most brilliant shades. For dry, sunny locations, also for rockwork.

Coccineum. Scarlet. 25c. each; doz., \$2.50; \$17.50 per 100.

Our Hardy Perennial Plants are extra strong and will give splendid satisfaction.



Helenium

Heliopsis (Orange Sunflower)

Gratissima. Large flowers, 4 or 5 rows of large reflexed florets; ochre yellow; 3 feet. 25c, each; doz., \$2,50; \$17,50 per 100.

Excelsa. A tall variety with large double yellow flowers with 4 or 5 rows of florets with fringed tips. 25c. each; doz., \$2.50; \$17.50 per 100.

Pitcheriana. Very similar to a small sun-flower, but flowering earlier; deep gol-den yellow; June till frost; 3 feet high. Pitcheriana Semi-plena. A semi-double

form of above. Scabra Zinniaeflora. A new double flowering form; somewhat resembling a Zinnia in shape; fine for cutting; July to August; 2 feet. 25c. each; doz., \$2.50; \$17.50 per 100.

Price of Heliopsis, except where noted. 20c. each; doz., \$2.00; \$12.00 per 100.

Helenium (Sneezewort)

These desirable perennials succeed in almost any soil in a sunny location. The flowers are splendid for cutting.

Autumnale Rubrum. Bright terra-cotta red; 5 feet 25c. each; doz., \$2.50; \$17.50 per 100.

Autumnale Superbum. Massive spreading heads of deep golden yellow flowers; August-October; 5 feet.

Cupreum. Orange crimson; 2 feet. Grandicephalum Striatum. Deep yellow

flowers striped and splashed crimson; July and August; 5 feet high.

Hoopesi. Orange yellow; large flowers often 2½ inches across; June-July; 2 feet

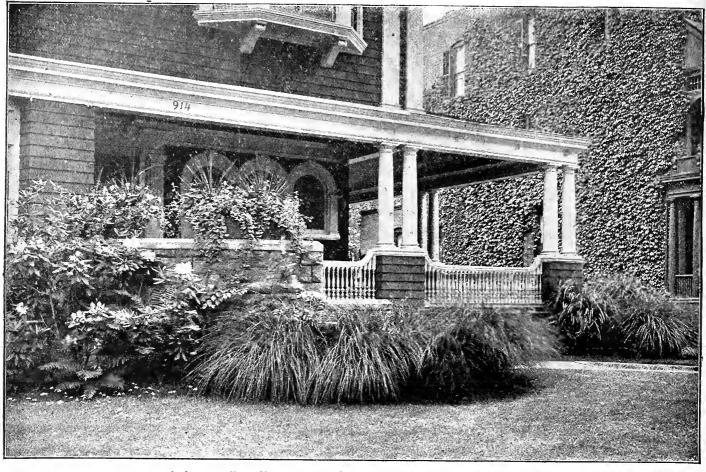
Pumilum Magnificum. Golden yellow, with large and perfectly formed flowers; very free; July-August; 18 inches.

Riverton Beauty. Rich lemon-yellow with dark purple cone; 4 feet; August. 25c. each; doz., \$2.50; \$17.50 per 100.

Riverton Gem. Old gold changing to wallflower red. 25c. each; doz., \$2.50; \$17.50 per 100.

Price of Heleniums (except where noted), 20c, each; doz., \$2,00; \$12.00 per 100.

160 MICHELL'S HARDY FERNS AND ORNAMENTAL GRASSES



A charming effect. Hardy Ornamental Grasses and Hardy Ferns planted in groups,

HARDY FERNS

Many persons are perplexed to know what is best suited for planting in densely shaded borders, particularly around porches. Nothing in the world produces such a permanent and satisfactory effect as Ferns. The graceful plants grow on an average from I to 2 feet high, according to the variety, and the clumps increase in size and beauty each year. They die down in the winter and break forth again in May. They require absolutely no attention after they are planted. In the variety at command very interesting plantings and effects can be made.

Adiantum Pedatum (Hardy Maiden Hair Fern). 12 inches. Aspidium Acrostichoides (Wood Fern). Height 15 inches. Aspidium Marginale (Evergreen Wood Fern). 12 to 18 inches.

Aspidium Cristatum (Crested Fern). 15 to 18 inches. Asplenium Felix-foemina. Height, 12 to 15 inches. Aspidium Thelypteris. 15 to 18 inches. Dicksonia Punctilobula (Gossamer Fern). Height, 24 inches. Onoclea Sensibilis (Sensitive Fern). 12 to 15 inches. Onoclea Struthiopteris (Ostrich Fern). 24 to 30 inches. Osmunda Polystriatum. 15 to 18 inches high.
Osmundi Cinnamonae (Cinnamon Fern). 24 to 36 inches.
Osmundi Claytonia (Flowering Fern). Height, 24 inches. Osmundi Gracilis. 24 to 30 inches.
Osmundi Regalis (Royal Fern). Height, 24 inches.
Polystichum Vulgaris. 15 to 18 inches.
All ferns extra strong large plants, 25c. each; doz., \$2.50; \$17.50 per 100.

ORNAMENTAL HARDY GRASSES

The generous beautiful effect produced by the hardy Grasses is hard to describe. Plantings must be seen to be appreciated. The best results are attained if planted as individual specimens on the lawn or in large beds. They should not be placed in conjunction with other perennials, being a class by themselves. Arundo Donax (Giant Reed). Tall variety with bluish-green

foliage, frequently attaining a height of 20 feet.

Arundo Donax Fol. Variegatis. This variety of Giant Reed

has variegated foliage. 35c. each; doz., \$3.5o.

Erianthus Ravennae (Plume Grass or Hardy Pampas). Deep green narrow foliage, growing about to feet high. **Eulalia Gracillima Univittata** (Japan Rush). Graceful narrow

foliage, growing 5 to 6 feet. Green, with silvery rib.

Eulalia Japonica Variegata. An attractive kind with a variation of markings of white, green, sometimes light pink and yellow; 4 to 5 feet high.

Eulalia Japonica. Like the variegated variety, except that

it is entirely green.

Eulalia Japonica Zebrina. Dark green foliage, is crossmarked horizontally a golden yellow. It is one of the best of hardy Grasses for effect. 4 to 5 feet high.

Gynerium Argenteum (Pampas Grass). This variety in severe climates requires light protection in winter. The silvery flower plumes are indeed handsome. It varies in height from 7 to

10 feet. Phalaris Arundinacea Variegata (Variegated Ribbon Grass or Gardener's Garter). This sort is especially suited for edging taller varieties, as it grows somewhat dwarf. The foliage is

somewhat broad, variegated white and green. 15c. each; \$1.50 per dozen; per 100, \$10.00.

Pennisetum Japonicum (Hardy Fountain Grass). One of the most valuable hardy Grasses, either for beds, mixed borders or as individual specimens. Height 4 feet.

Elymus Glaucus (Blue Lime Grass). A graceful growing type with narrow silvery blue foliage, a dwarf compact grower; suitable for edging tall kinds. Height, 3 feet.

Strong plants of the above hardy Grasses, except where noted, 30c. each; dozen, \$2.50; \$15.00 per 100. Stronger clumps for immediate effects, 50c. each; dozen, \$5.00; \$30.00 per 100.

Helianthus (Hardy Sunflower)

Very effective either in borders, among trubbery or as clumps on the lawn, etc. hey produce masses of flowers during June and July.

Matronalis. Bushy plants; 3 to 4 feet high, with showy spikes of pink flowers during June and July. shrubbery or as clumps on the lawn, etc. They produce masses of flowers during summer until frost, which are splendid for cutting and decorative purposes.

Multiflorus fl. pl. Large, double golden yellow; July-August; 4 feet.

Orgyalis. Golden yellow; small flowered; long, narrow foliage; September; 5 ft.

Maximiliana. The latest of all; blooming profusely in October; the fine golden yellow flowers appear in long, graceful sprays; splendid for cutting; 5 to 7 feet.
Rigidus Miss Mellish. Semi-double flow-

Semi-double flowers; 4 to 5 inches across; very long petals of golden yellow; good for cutting. Rigidus (The Prairie Sunflower). Flow-

ers golden yellow, smaller than Miss Mellish, but a very useful variety; July till autumn; 5 feet.

Wooley Dod. An entirely distinct va-riety, golden yellow, semi-double; espe-cially suited for planting on a large scale in shrubberies and borders; 4 feet; Sep-

Price of the above Helianthus, 20c. each; doz., \$1.50; \$10.00 per 100.

Helleborus Christmas Rose)

They flower when practically nothing is in bloom outdoors, actually thrusting their beautiful blossoms through the snow. They succeed almost everywhere, but prefer a sheltered, shaded location. Height, 8 to 10 inches. Niger. Pure white. The best of all Helleborus varieties. 40c. each; doz., \$4.00.

Hemerocallis (Yellow Day Lily)

Lily-like plants, flowering in great pro-

fusion during the summer.

Aurantiaca. Large, trumpet-shaped, orange yellow flowers; reverse of petals bright Indian yellow; sweet scented. 25c.

each; doz., \$2.50; \$17.50 per 100.

Aurantiaca Major. Large, orange flowers; one of the best sorts; June-July. 25c. each; doz., \$2.50; \$17.50 per 100.

Dr. Regal. One of the finest of the late

flowering sorts, producing beautiful rich apricot-colored flowers; 2½ feet. 25c. each; doz., \$2.50; \$17.50 per 100.

Dumortieri. Very dwarf, flowering in June; earlier than most other sorts of the better class. Rich yellow flowers, bronze shaded on the back of petals. 25c.

each; doz., \$2.50; \$15.00 per 100.

Flava. Light yellow flowers; very grant; June and July; 5 feet. 20c. each; doz., \$2.00; \$12.00 per 100.

Florham. A strong grower; 3 to 3½ ft. high; large trumpet-shaped flowers; rich golden yellow with Indian yellow marketings; June-July. 25c. each; doz.,

\$2.50; \$17.50 per 100.

Fulva. Trumpet-shaped flowers, orange colored shaded darker, blooms in June and July; 4 to 5 feet. 20c. each; doz.,

\$2.00; \$12.00 per 100.

Kwanso Flore Pleno (Double). Coppery red; July; 3 feet high. 20c. each; doz.,

\$2.00; \$12.00 per 100.

Queen of May. A splendid new variety, attaining a height of 5 feet; its spikes are terminated with from 12 to 18 flowers of a rich Indian yellow color; May

to July. 30c. each; doz., \$3.00.

Sovereign. Chrome yellow flowers, sometimes 6 to 9 on a stem; very handsome; 21/2 feet high. 35c. each; doz., \$3.50; \$25.00 per 100.

Hesperis (Rocket)

Matronalis Alba. A white flowered form of the above.

Price of above Hesperis, 20c. each; doz., \$2.00; \$12.00 per 100.

Hepatica (Liver Leaf)

Triloba. An interesting spring flowering plant, with pretty foliage and beautiful flowers. 20c. each; doz., \$2.00; \$12.00 per 100.

Hernieria (Turk's Herb)

Glabra. Excellent for rockwork, succeeding in the poorest soil; dwarf, moss-like plant with small greenish flowers. The foliage is dark green, turning to red in winter. 25c. each; doz., \$2.50; \$17.50 per

Heuchera (Alum Root)

Desirable dwarf plant of easy culture. Foliage remains close to the ground. During July and August the graceful thin flower-spikes, 2 feet high, appear in pro-

Gracillima Perry's Variety. Minutely branched panicles of miniature rosy crimson flowers. 21/2 to 3 feet. 35c. each;

doz., \$3.50. Rosea. Light rose; 2 feet.

Sanguinea. Bright scarlet. Sanguinea Alba. Creamy white; 2 feet.

Zabeliana. Pale pink; large flowers.
Price of any of the above, except where noted, 25c. each; doz., \$2.50; \$15.00 per 100.

Hibiscus (Mallow)

Crimson Eye. Immense blooms of purest white with deep crimson eye. July; 4 feet. 20c. each; doz., \$2.00; \$12.00 per

Moscheutos Roseus. Large bell-shaped flowers of delicate pink. 20c. each; doz.,

\$2.00; \$12.00 per 100.

Proved form of our greatly admired Marsh Mallows. They are unusually attractive and form real show plants during their flowering season. They attain a height of 6 to 7 fort have beautiful a height of 6 to 7 feet, have beautiful laciniated foliage and monstrous flowers, measuring often 6 to 8 inches in diameter. We offer these in three separate Pink, White, Red. 25c. each; doz., \$2.50; \$17.50 per 100.

Hieracium (Hawkweed)

Aurantiacum. Splendid for rockeries; deep orange; 12 to 18 inches. 20c. each; doz., \$2.00; \$12.00 per 100.

Houstonia (Quaker Lady)

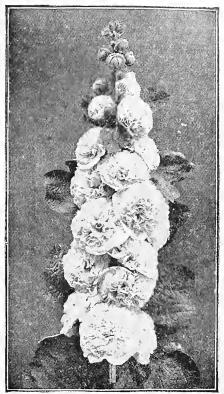
Coerulea. A low growing plant, especially suitable for rock work. The foliage is practically hidden in early spring with small but showy light blue flowers. 20c. each; doz., \$2.00; \$12.00 per 100.

Honeysuckle (See Page 176)

Hop Vine (See Page 176)

Hydrangeas (See Page 129)

Hydrangeas (Climbing) (See Page 177)



Hollyhocks

Hollyhocks

These thrive best in soil that is not too wet; which should be enriched with wellrotted stable or sheep manure. While perfeetly hardy, we recommend protecting them slightly during the winter, with leaves, long manure or straw. To guard against fungus or rust we recommend spraying the plant in early spring with Pyrox or Bordeaux Mixture.

Double Canary Yellow. Double Crimson.

Double Maroon.

Double Newport Pink.

Double Pink.

Double Salmon Pink.

Double White.

Separate colors. Hollyhocks as above, **25**c. each; doz., \$2.50; \$17.50 per 100.

Double Mixed, Single Mixed, Allegheny Fringed Mixed. Mixed Hollyhocks, as above, 20c. each; doz., \$2.00; 100, \$15.00.

Hypericum (St. John's Wort)

Adpressum. Very useful for covering ground in damp places; 6 to 8 inches high. 20c. each; doz., \$2.00; \$12.00 per TOO.

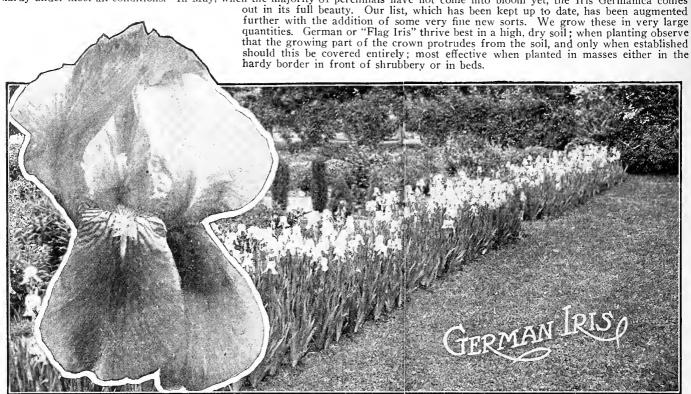
Moserianum. A very free-flowering plant for the hardy border; the large flowers, often measuring 2 to 21/2 inches across, are of a rich golden vellow color; blooms continuously during the summer; 2 feet. 20c. each; doz., \$2.00; \$12.00 per 100.

Patulum var. Henryi. A new variety, growing 3 to 4 feet high, with masses of clear yellow flowers during July and August. 35c. each; doz., \$3.5o.

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MICHELL'S GERMAN IRIS (Fleur de Lis)

No garden or perennial border is complete without a planting of German Iris; they thrive most anywhere, being absolutely hardy under most all conditions. In May, when the majority of perennials have not come into bloom yet, the Iris Germanica comes



A border of German Iris in the spring adds life and charm to the garden

Her Majesty. Lovely rosy lilac. A most beautiful variety. 25c. each; doz., \$2.50.

Mrs. G. Ruethe. White standard, shaded and veined blue gray. The falls are white, frilled soft blue. A large and handsome variety. 25c. each; doz., \$2.5o.

Nuci d'Orange. Tall growing, with smoky, bronze flowers. 25c. each; doz., \$2.50. Ossian. Straw-yellow standard, with bluish violet falls. 25c. each; doz., \$2.50.

Pallida Speciosa. Standards dark lavender with light purple falls; free-flowering. 25c. each; doz., \$2.50; \$17.50 per 100.

Hector. Standards yellow, with brownish red falls; dashed purple; a unique combination. 25c. each; doz., \$2.50; \$17.50 per 100.

Mrs. H. Darwin. White standards; violet blue falls, which are turned over in graceful fashion.

Mrs. Neubronner. Very deep golden yellow. 25c. each; doz., \$2.50; \$17.50 per 100. Pallida Mandraliscae. Beautiful rich lavender purple; very large handsome flower. 25c. each; doz., \$2.50; \$17.50 per 100.

Florentina Alba. Very free blooming white; massing in well with the blues. 25c.

each; doz., \$2.50; \$17.50 per 100.

Eugene Sue. Creamy white, spotted and striped purple.

Gypsie Queen. Lavender-bronze, veined white.

Gloire de Hillegom. Light blue; very fine large flower. Grachus. Crimson and white, a unique combination.

Honorabilis. Golden yellow, shaded rich bronze. Innocenza. Pure white; very beautiful.

Kharput. Deep pure blue.

Leonidas. Clear mauve, changing to rosy mauve; very large.

Mad. Chereau. White, edged blue; one of the best.

Pallida Dalmatica. Delicate lavender. 25c. each; doz., \$2.50; \$17.50 per 100.

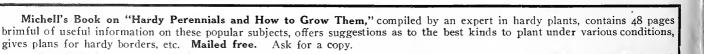
Queen of May. Light pink; very early.

Mixed Varieties. All colors. 10c. each; doz., \$1.00; \$6.00 per 100.

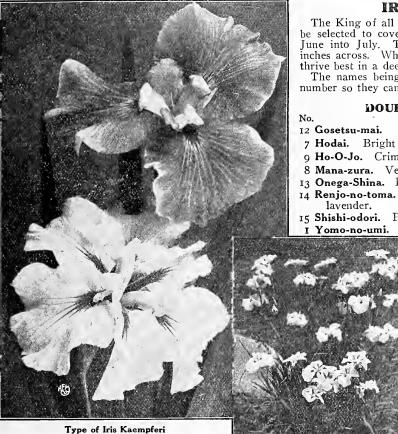
Price of any of the above German Iris (except where noted), extra strong roots, 20c. each; doz., \$1.50; \$10.00 per 100.



Iris Pumila See Description and Prices on opposite Page



MICHELL'S GORGEOUS IRIS



IRIS KAEMPFERI (Japanese Iris)

The King of all Iris, covering a wide range of color; named sorts can be selected to cover a flowering period of 5 weeks, from the middle of The flowers, many of them when spread, measure 12 June into July. The flowers, many of them when spread, measure 12 inches across. While they succeed generally in all soils, they delight and thrive best in a deep, rich location.

The names being rather awkward, we have also arranged them under

number so they can be ordered more readily.

DOUBLE OR SIX-PETALED VARIETIES

- White veined and traced aniline blue.
- 7 Hodai. Bright violet veinings, purple standards.
- 9 Ho-O-Jo. Crimson purple.
- 8 Mana-zura. Very large, white with pale blue lines, tufted centre.
- 13 Onega-Shina. Royal purple, white veins.
- 14 Renjo-no-toma. Frilled petals, white centre, very wide border of pale
- 15 Shishi-odori. Purplish violet, large.
 - Farly, double, pure white.

SINGLE OR THREE-PETALED **VARIETIES**

- 30 Gekko-no-nami. Early pure white.
- 3 Kuma-Fungen. White with broad border of magenta lines.
- II Kan-ran. White, lightly suffused and veined rosy violet.
- 21 Kimi-no-Megumi. White, densely veined purple.
- 27 Shippo. Light lilac, veined purple. 25 Yomo-zakura. Light ground color, densely suffused reddish purple.
 20 Yayaura. White marbled violet.

Any of the above named Japanese Iris, 25c.

each; doz., \$2.50; \$15.00 per 100.

Japanese Iris, mixed colors, 20c. each; doz., \$1.50; 100, \$10.00.

IRIS PUMILA

The first of the Iris to bloom resembling in appearance the German variety; the plants are 6 inches high and are ideal when used as an edging for taller varieties or in borders or rockeries; they delight in a fairly dry, high situation, and once planted will increase in numbers.

Violacea. Dark blue. 6 inches high; fine for rockwork.

Die Braut. White. 15 inches high; very large and showy.

Lutea. Golden yellow. 6 inches high; a fine companion to Violacea.

Price of any of the above Iris Pumilas, 20c. each; doz., \$1.50; \$10.00 per 100.

IRIS INTERMEDIA

An entirely distinct type, being a cross between a German Iris and a shrubby Iris, known as the Pumila type. It is medium early to bloom, flowering in between Iris Pumila and Iris Germanica. Plants grow about 18 inches high and are surmounted with large flower heads, on spikes, which grow well above the foliage; appearing in May.

Ceres. Standards and fall pearl white; orange beard.

Charmant. Standards, silvery white; pearl falls, with deep blue markings. Walhalla. Standards, light blue, violet blue falls; yellow beard.

Price of the above, 30c. each; doz., \$3.00.

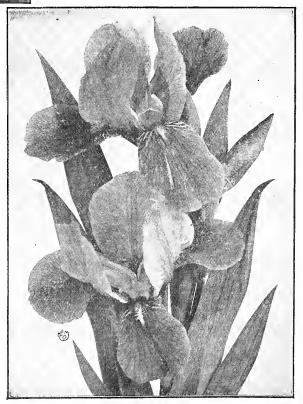
IRIS SIBIRICA

One of the most elegant of all the Iris groups and among the easiest to grow, has grassy foliage with tall stems, very floriferous and one of the best for cutting.

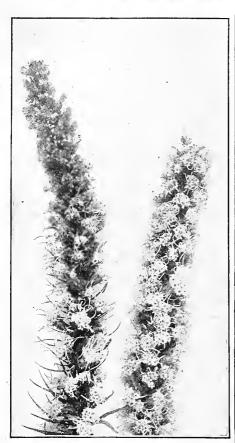
Sibirica Orientalis. Purplish blue flowers, 3 feet high; splendid variety. 20c. each; doz., \$2.00; \$12.00 per 100.

Orientalis, Snow Queen. A new white-flowered variety of the type; petals broad and full, of snowy whiteness, and with rich golden yellow blotches. 20c. each; doz., \$1.50; \$10.00 per 100.

Orientalis, Distinction. Standards violet blue; falls white, veined and tipped blue. 25c. each; doz., \$2.50; \$15.00 per 100.



Iris Intermedia "Walhalla"



Liatris Pycnostachia

Iberis (Hardy Candytuft)

The Hardy Candytufts are low-growing plants, with evergreen foliage. In spring and early summer they are completely covered with dense heads of pure white flowers. For borders and rockeries they are unsurpassed. Sempervirens. Pure white flowers.

Sempervirens Snowflake. An improved form of the above.

Price of Iberis, 20c. each; doz., \$2.00;

Incarvillea (Hardy Gloxinia)

These tuberous rooted plants produce large trumped-shaped flowers in clusters; they require a slight protection in winter of leaves, straw or long manure; May and June.

Delavayi. One of the prettiest perennials. It produces large flowers of a deep pink, much resembling a Gloxinia, on stems 18 inches long, and succeeds in either sun or shade. 20c. each; doz., \$2.00; \$12.50 per 100.

Grandiflora. A great improvement on the older varieties, the flowers being larger and much brighter. 25c. each; doz., \$2.50; \$17.50 per 100.

Inula (Flea Bane)

Ensifolia. Dwarf, excellent for borders. Golden yellow; July and August.

Glandulosa Grandiflora. A very showy plant with numerous bright golden flowers on long leafy stems; 2 feet; June-August.

Royleana. Large, handsome, deep yellow flowers; 1½ feet; June-August. Price of above Inulas, 25c. each; doz.,

\$2.50; \$17.50 per 100.

Ipomea (See Page 176)

Iris (See Pages 162-163)

Ivy (English) (See Page 175)

Kudzu Vine (Pueraria) (See Page 175) Lathyrus (Hardy Sweet Peas)

They resemble in every respect a sturdy Sweet Pea. The flowers are produced in dense clusters on a single stem, but of course, lack the fragrance of the Annual Sweet Peas. They make a beautiful show, planted against trellis, lattice or individual posts.

Latifolius Albus. Pure white.
Latifolius White Pearl. Giant-flowering;

pure white. 30c. each; doz., \$3.00. Latifolius Pink Beauty. Brilliant rose. Price of Lathyrus (except where noted). 20c. each; doz., \$2.00; \$12.00 per 100.

Lavendula (Lavender)

Vera. A most valuable perennial, producing large sweet-scented flowers in unlimited abundance. 20c. each; doz., \$2.00; \$12.00 per 100.



Lupinus Polyphyllus

Liatris (Blazing Star)

Tall flower spikes which loom up over the majority of other perennals; July till September. Very desirable for table decorations.

Pycnostachia. Light rosy purple; 4 feet. Scariosa. Deep purple; 3 to 4 feet high. Price of Liatris, 20c. each; doz., \$2.00; \$12.00 per 100.

Lilies (Hardy) (See Page 128) Lily of the Valley

For outdoor planting in shaded places this plant occupies a unique position. It increases in number each year. Pure white flower bells appear on stems about 8 to 10 inches long in the latter part of May. For outdoor planting the large clumps are best. 30c. each; doz., \$3.00; \$20.00 per 100. Stock cannot be shipped after May 15th.

Dalmatica. Large showy yellow and orange flowers, good for tops of rockery. 2 to 3 feet. 20c. each; doz., \$1.50; \$10.00 per

Linum (Flax)

Perenne. A useful plant for the border or rockery. Graceful foliage, blue flowers; 3 feet.

Perenne Alba. A white flowered form of the above.

Price of Linum, 20c. each; doz., \$2.00; \$12.00 per 100.

Lobelia

Cardinalis (Cardinal Flower). Makes a most delightful showing if planted in front of shrubbery or in the herbaceous border; flowers are a vivid crimson on spikes from 2 to 4 feet high; July-August.

Syphilitica Hybrida. Blue and white flowers, produced on long spikes; 2 feet; August-September.

Either of the above Lobelias, 20c. each; doz., \$2.00; \$12.00.

Lupinus (Lupins)

They flower in May and June; 3 to 4 feet high. In dry weather water liberally. Polyphyllus. Blue. 35c. each; doz., \$3.00; \$20.00 per 100.

Polyphyllus. White. 35c. each; doz., \$3.00; \$20.00 per 100.

Moerheimi. A new variety, with gigantic flower spikes, which are a combination of pure pink in light and dark shades. 35c. each; doz., \$3.50.

Lysimachia

Clethroides. An ornamental plant for the hardy border, with a great number of white arched flower spikes. 3 feet high; July-September.

Nummularia (Creeping Jenny or Moneywort). Excellent for planting under trees or shrubs, where grass will not

grow. It forms a dense carpet.

Ciliata (Fringed Loose Stripe). Yellow flowers; 2 feet high; July.
Price of above Lysimachias, 20c. each;

doz., \$1.50; \$10.00 per 100.

Lychnis (Campion)

Of easy culture, making large bushy plants, all of them showy, when in bloom. These flower all summer except where noted.

Chalcedonica. Heads of brilliant orange

Chalcedonica. Scarlet; 2 feet high. Chalcedonica Alba. White; 2 feet high. Carnea. Flesh-colored heads; 2 feet.

Haageana Hybrida. Brilliant shades of orange and scarlet, blooming in May and June; height, 12 inches.

Vespertina Double White. Large double white flowers; very showy, blooms all summer. 25c. each; doz., \$2.50.

Viscaria (Ragged Robin, London Pride).

Double red flowers on stalks 15 inches

high, very showy; June. Viscaria Alba Grandiflora. Large double white; the evergreen foliage forms a dense tuft; flowers all summer. 50c. each; doz., \$5.00.

Price of any of the above Lychnis (except where noted), 20c. each; doz., \$2.00;

\$12.00 per 100.

Lythrum (Loose Strife)

Succeeds in most any locality. It is a rank grower, throwing out flower spikes which are 3 to 4 feet high; flowering from July until September.

Alatum. Purplish rose; very free bloomer; 3 ft.; July-September. 25c. each; doz., \$2.50; \$17.50 per 100.

Roseum Superbum. Rich rose pink, 20c. each; doz., \$2.00; \$12.00 per 100.

Brightness. Bright pink; tall erect spikes. 25c. each; doz., \$2.50; \$17.50 per 100.

Rose Queen. An improvement of the Roseum Superbum, with larger flowers and longer spikes. 25c. each; doz., \$2.50; \$17.50 per 100.

Madeira Vines (See page 177) Matricaria (Feverfew)

Little Gem. One of the best perennials for cutting, being literally smothered with large button-like pure white flowers, borne in sprays during the entire summer and autumn. Plants, 18 inches high This is a wonderfully fine plant and should be planted liberally. 20c. each; doz., \$1.50; \$10.00 per 100.

Mertensia (Blue Bells)

Virginica. An interesting native plant, with handsome light blue flowers, which appear in May and June. Height, I to 11/2 feet high. 20c. each; doz., \$2.00; \$12.00

Monarda (Bergamot)

Showy plants, 2 to 3 feet high, succeeding in any soil or location, flowering during July and August.

Didyma Cambridge Scarlet (Oswego Tea). Brilliant scarlet.

Didyma Salmonea. Salmon rose. 25c each; doz., \$2.50; \$17.50 per 100.

Didyma Violacea Superba. Bright amar-

anth red.

Fistulosa Alba. Very showy plant with white flower heads; 2 to 3 feet; July-August.

Price of the above, except where noted 20c. each; doz., \$2.00; \$12.00 per 100.

Montbretia (Bulbs)

A beautiful flowering bulb resembling a miniature Gladiolus, absolutely hardy, and only effective if planted in masses from 50 to 100 bulbs in a clump.

Crocosmiaeflora Type. Scarlet and yel-

Aurantiaca. Deep golden yellow. Etoile de Feu. Vermilion with yellow

centre.

Pottsii. Large, orange scarlet. Speciosa. Golden yellow.

Rayon d'Or. Light yellow, spotted brown ermania. Orange scarlet, very large. 5c. each; doz., 5oc.; \$2.50 per 100; per Germania. 1000, \$20.00.

Any of the above varieties (except as noted) 3c. each; doz., 3oc.; 100, \$2.00; 1000, \$17.50.

Nierembergia (Cup Flower)

Rivularis. A handsome Alpine plant of creeping habit; very valuable for rockery. Creamy white, cup shaped flowers appear in profusion from June until Sep-20c. each; doz., \$2.00; \$12.00 tember. per 100.

Moon Vines (See page 176) Myosotis (Forget-Me-Not)

These are most effective when intermingled with Pansies, English Daisies or amongst summer-flowering perennials. They bloom usually about the middle of April, and last well into the summer. In extremely severe climates a little covering of straw or manure over the plants will prove bene-

ficial.

Alpestris Victoria. A grand variety. with fine heads of clear azure blue flowers; bushy and compact, a fine edging plant.

Alpestris Grandiflora. Of strong, sturdy, growth; about 10 inches high, with fine heads of clear forget-me-not blue flowers.

Dissitiflora. Dwarf and compact, with sprays of large, exquisite blue flowers; fine for planting among spring-flowering bulbs.

Palustris Semperflorens. An attractive hardy variety; fine for cut-flower purposes; delicate blue.

Price of any of the Myosotis, 15c. each: doz., \$1.20; \$8.00 per 100.

Oenothera (Evening Primrose)

Commences flowering in June and lasts throughout the season. The plants are about 10 inches high, and suitable for either border or rock garden work. Eldorado. Double golden yellow.

Fraseri. Deep yellow; 18 inches high. Fruiticosa Pallida. Creamy white flowers. 18 inches high.

Missouriensis. Golden yellow; large. Speciosa. Pure white; 18 inches high. Youngi. Rich lemon yellow.

Price of any of the Oenothera, 20c. each; doz., \$1.50; \$10.00 per 100.

Hircina. A creeping, fast growing plant, with pink, pea-shaped flowers, appearing in May and June. 25c. each; doz., \$2.50; \$12.00 per 100. \$17.50 per 100.

Onopordon (Cotton Thistle)

Tauricum. A stately plant, with silvery leaves; these, as well as the stems being covered with white fuzzy flowers which resemble a majestic Scotch Thistle.

Blooms in June and July. 5 feet high. Robert Bruce. Branching heads of bold, grayish, elegantly cut foliage and silvery white flowers and stems. Price of the above, 25c. each; doz.,

\$2.50; \$17.50 per 100.

Orobus (Bitter Vetch)

any location or soil. Excellent for borders or rockeries, flowering in May and June. Lathyroides. Pea-shaped blue flowers;

I foot high

Superbus. Purple flowering; I foot high. Vernus. Deep purple, pea-shaped; I ft. Price of any of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

Pachysandra

An evergreen trailing plant, with thick glossy foliage forming a dense mat; one of the finest ground covers for either sunny or shaded locations.

Terminalis. Green; 6 to 8 inches high; small flower spikes of a grayish white, in May and June. 20c. each; doz., \$2.00



Oriental Poppy (See page 170).

Physalis (Lantern Plant)

Alkekengi. Ornamental variety of the Ground or Winter Cherry. The lantern-like, orange-red fruits are highly interesting; 2 feet high.

Francheti. Similar to the above, except the fruits have a more brilliant color. Price of Physalis, 20c. each; doz., \$2.00;

Pardanthus (Blackberry Lily)

Sinensis. Lily-like flowers of bright orange, appearing during July and August, which develop into seed heads, resembling blackberries. July-August. 20c. each; doz., \$2.00; \$12.00 per 100.

Pentstemon (Beard Tongue)

It somewhat resembles the Gloxinia, but is longer and narrower. Starts to flower in early summer and lasts until the frost will strike it down.

Barbata Torreyi. Brilliant scarlet.

This class of plants succeeds in almost Barbata Salmonea. Long panicles of salmy location or soil. Excellent for borders mon rose flowers. 35c. each; doz., \$3.50. Diffusus. Deep purple; 11/2 feet.

Digitalis. Purplish white flowers with dark purple throat.

Glaber Hybrids. Mixed colors; 2 feet. Grandiflorus. Dwarf bushy growing plants

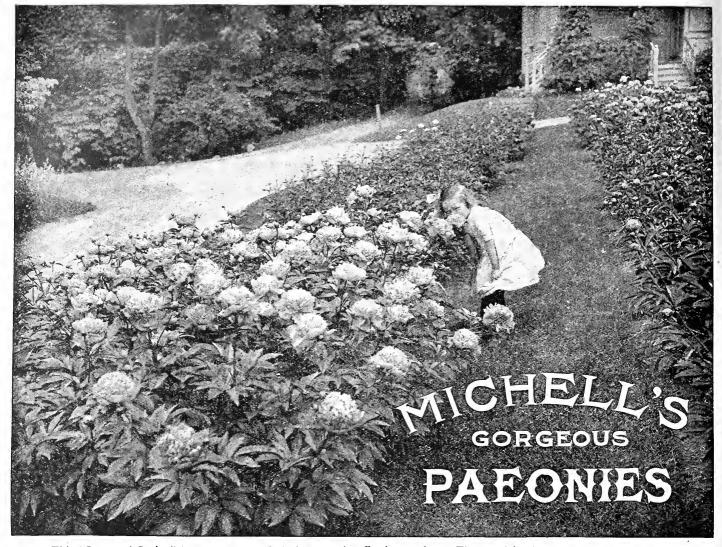
with purple flowers. Ovatus. Bright blue, shaded bronzy pur-

ple. July-September. 2 feet.

Sensation. A splendid mixture of different shades; 2½ feet high.Gloxinioides "Sensation." Bears spikes of

large gloxiniae-like flowers in a great variety of bright colors. Blooms from early summer until frost.

Price of the above, (except as noted), 20c. each; doz., \$2.00; \$12.00 per 10o.



This "Queen of Spring" holds a place entirely her own in effective gardens. The exquisite form, the delicate and rich colors, its value for garden or house decoration, and the delightful fragrance are all points in its favor. No disease or insect ever troubles this plant. They delight in a sunny location in deep rich soil. After planting take care to see they are watered regularly until you feel they are established. In planting always take care to see that the crown or top of root is not more than I to 2 inches below the surface when covered. The roots are perfectly hardy and once planted remain for years, increasing in size. Roots can be delivered beginning in April or in the autumn beginning in September.

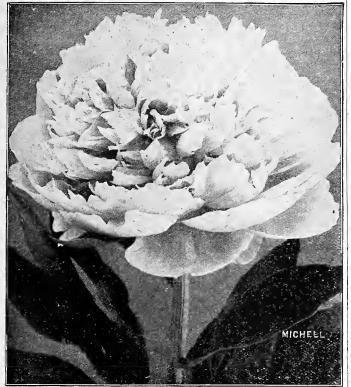
Attention is called particularly to our revised list of named varieties, which includes the very finest sorts.

We send out only extra strong roots.

PINK SHADES

	LIMIN	SHADES	
Achille. Beautiful shell-pink, changing to lilac Ea white; splendid variety. Early	ch Doz 25 \$2.5	season	
Beaute Française. Lilac-rose, with a cream white collar; very fragrant. Mid-season	35 3·5		0 3.00
Berlioz. Perfect form. Large magenta rose color; silver tipped. Late	35 3⋅5		0 5.00
	3.0		0 5.00
Carnea Elegans. Of a clear flesh color, glossy re- flex. A free bloomer. Mid-season	3.5 3. 5		_
	50 5.0		_
Clarisse. Beautiful rose pink, with silvery pink centre; fine form and habit. Mid-season	2 5 2 .5		
	3 0 3.0		
Duc de Cazes. Bright pink, silvery reflex Early Edulis Superba. Beautiful shaped flower of a	25 2.5	Large and compact. Late	0 5.00
bright mauve pink color, with narrow edges of lilac. One of the best early sorts	25 2.5	ing qualities. Delicate white rose, with a creamy centre	0 5.00
Eugenie Verdier. Giant globe-shaped flower of a soft pink color. Mid-season	50 5.0	Mme. Leonie Calot. Delicate rosy white, centre petals slightly tipped carmine. Mid-season	5.00

MICHELL'S GORGEOUS DOUBLE PAEONIES (Roots) 167



Paeony Candidissima WHITE AND LIGHT SHADES Each Doz. Agnes Mary Kelway. White tinted rose, cream centre; a very striking flower. Early.........\$0.25 \$2.50 Alba Plena. A giant flower of the purest white; very double. Of superb fragrance. Mid-season... 2.50 Boule de neige. Very double, pure white; foliage is rich, deep green 5.00 Candidissima. Creamy white, with a clear, sulphuryellow centre. Early Couronne d'Or. Snowy white with yellow reflex and 3.00 deep pink edges on a few petals. Late 5.00 Duc de Wellington. Large, sulphur-white flower of great fragrance and with long stems. Late...... 3.50 Duchesse de Nemours. Pure white, with a sulphurwhite centre; very early and extra fine. Early.... .30 3.00 Festiva. Large, full type, creamy white with crimson spots. Late bloomer Festiva Maxima. Beautifully shaped flower, 7 to 8 in. in diameter. Pure white, splashed red. Late. 5.00 4.00 La Rosiere. Imbricated petals of yellowish white with straw yellow centre. Mid-season..... 3.50 Queen Victoria. Pure white; cream centre. Midseason ... 2,50 Zoe Calot. Pure white; suffused rose. Mid-season 2.50 **RED AND DARK SHADES** Anemoneflora Rubra. Anemone form, having broad collar; a beautiful dark crimson. Midseason Delachi. Large flowers of a deep purple color, free 3.00 bloomer. Late 3.00 Felix Crousse. Large bright red flowers on long stems. Mid-season50 5.00 General MacMahon. Large anemone-shaped flower of a deep violet color. Mid-season..... 5.00 .50 L'Eclatante. Large globular flower of brilliant red color; very good variety. Mid-season.....Louis Van Houtte. A rich shade of crimson ma-2.50 roon, an exceptionally fine large flower. Late ... 3.00 Meissonier. Loose reddish purple flowers on tall stems. Very fragrant. Mid-season Victor Hugo. One of the very best of red paeonies. Brilliant carmine red. Unsurpassed for cut-3.50 ting. Late Washington. Carmine, with lighter collar, tipped silvery; very fragrant. Mid-season 5.00

PAEONY CHINENSIS

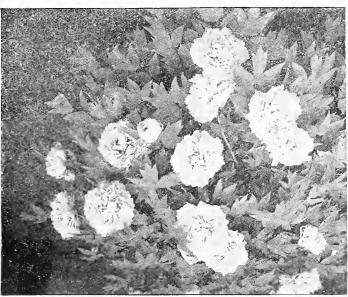
This is the common garden variety in cultivation most every-

	Each	Doz.	100
Double	Red. Large roots\$0.25	\$2.50	\$15.00
Double	White. Large roots	2.50	15.00
Double	Pink. Large roots	2.50	15.00

PAEONY OFFICINALIS (The Old-Fashioned Paeony)

Fragrant flowers of immense size, flowering early in May and having a distinct foliage and growth.

Each	Doz.	100
Rosea. Double pink\$0.30		
Rubra. Double red		
Alba. Double white	3.00	20.00
One each of the above 3 colors for 75c.		



Tree Paeony Lambertiana

DOUBLE TREE PAEONIES

These very beautiful and free-flowering paeonies deserve to be included in every collection. They are from 2 to 3 weeks earlier than any other variety and the flowers, often measuring a foot in diameter, include every shade from white and softest pink to the most brilliant scarlet and purple.

Abraham Lincoln. Deep velvety amaranth; very double Confucius. A beautiful shade of purplish scarlet, single. Jeanne d'Arc. Very large, salmon rose with dark centre, single.

Bijou de Chusan. Pure white, yellow centre, semi-double. Etna. Brilliant fiery red.

Lambertiana. Pure white, suffused with delicate rose. Louise Mouchelet. Beautiful silvery rose; extra large flower, double.

Queen of Belgiums. Blush shaded salmon rose. Splendid sort. Beauty de Cologne. Salmon rose, suffused flesh colored. Rosea Superba. Salmon rose; semi-double. Beautiful.

Any of the above varieties; extra strong plants, \$1.25 each; per doz., \$12.00; (or I each of the above varieties for \$10.00).

PAEONIA TENUIFOLIA Flore Plena

An early flowering species with fern-like foliage and double deep crimson flowers, a shade like the Jacq Rose; this is undoubtedly one of the most attractive paeonies in cultivathindibility one of the most attractive paronts in children tion, excellent for massing or planting individually in the herbaceous border, blooming very early in May, sometimes latter part of April, makes an exceedingly attractive plant. Each, 30c.; per doz., \$3.00; \$20.00 per 100.

Paeony Culture is fully covered by Michell's Bulb Growing Guide. Ask for a free copy.

5.00

168 Michell's Superb Hardy Phloxes of Recent Introduction

Our stock of these is Unusually Fine. A visit to our Nurseries (where we grow acres of these) in September and October presents a marvelous sight in beauty and color.

Hardy Phlox Elizabeth Campbell

The most effective border plants during August and September. They succeed in almost any soil enriched with manure. In partial shade the flowers last much longer than when grown in the full sun. If the first spikes of bloom are removed as soon as over, and the plants given a good soaking of water, they will produce a second supply of flowers, thus continuing until late in autumn. The varieties, we offer, represent the finest of the existing Hardy Phloxes.

Asia. Rich shade of mauve; very large trusses; very beautiful. 25c. each; doz., \$2.50; \$17.50 per 100.

B. Comte. Brilliant rich purple; a distinct shade; the flower heads are very compact and attractive. 20c. each; doz., \$1.50; \$10.00 per 100.

Braga. Rich lilac rose, immense trusses of great beauty. One of the best in its color. 25c. each; doz., \$2.50; \$17.50 per 100.

Crepuscle (New). Very large flowers, shading from a deep crimson centre, through rose lilac to a white edge; a beautiful blending of colors. 25c. each; doz., \$2.50; 100, \$17.50.

Europa. Blush white, with a large deep pink centre, making it a very showy combination. Very new and the best in its class: the flower truss is very large, while the florets are also of gigantic size. 20c. each; doz., \$1.50; \$10.00 per 100.

Elizabeth Campbell. Identical in shade of color with Mrs. John Laing Rose; delicate, refreshing pink with a white eye. 20c. each; doz., \$1.75; \$12.00 per 100.

Frau Anton Buchner. Very large pure white flower truss with gigantic individual florets. It makes a fine edging for a bed of Hardy Phlox, being of a very dwarf nature. 25c. each; \$2.50 doz.; \$17.50 per 100.

Gefion. A beautiful variety; a lovely peach blossom pink, with a distinct bright rose eye; large trusses on strong erect stems; one of the most effective. 3oc. each; doz., \$3.00.

Iris. This is a variety of rare merit and whether grown in masses or as a single specimen, the color will immediately arrest the eve. It is a deep reddish violet, of compact erect habit with flower trusses that rival any others for size. 25c. each; doz., \$2.50; \$17.50 per 100.

Hardy Phlox Miss Lingard

Jules Sandeau (New). Dwarf; very large flowering; pure pink; extra fine variety and free bloomer. 50c. each; doz., \$5.00.

Lofna (New). A beautiful variety with fine soft rosy lilac flowers, about 2 inches across. A splendid novelty. 50c. each; doz.,

Loki. A splendid salmon-pink, with a carmine eye; a shade darker than Elizabeth Campbell. 30c. each; doz., \$3.00.

Rheinlander. Deep salmon pink, with a distinct bright red eye. The plant is of a vigorous, branching habit and flowers with wonderful freedom. It is very early and lasts well into the season. The trusses are of gigantic size and of fine form and substance. 20c. each; doz., \$2.00; \$15.00 per 100.

Rosamundi. A distinct variety of very attractive appearance. Produces immense trusses of enormous flowers of a beautiful soft rose color. 25c. each; doz., \$2.50; \$17.50 per 100.

Thor. A remarkable bright shade of deep salmon pink; this variety is destined to take the same place in the deep salmon pinks, that is now occupied by "Linfield Beauty" in the lighter salmon pinks. 30c. each; doz., \$3.00; \$20.00 per 100.

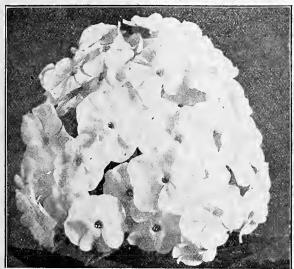
W. C. Egan. One of the prettiest in our entire collection, the color being a pale lilac with an intense solferino-red eye. It is of medium height and of branching habit, which means a free bloomer. A grand variety for the border. 20c. each; doz., \$2.00; \$15.00 per 100.

Wanadis. Flowers mottled white and light violet. Enormous flower trusses, which appear early. 30c. each; doz., \$3.00.

Widar. Light red, somewhat shaded violet. Each flower has a distinct white centre, which tends toward making the flower truss exceptionally showy. A free-flowering, attractive variety, which should be in every collection of Phloxes. 20c. each; doz., \$2.00; \$15.00 per 100.

SPECIAL OFFER: One each of the 18 varieties, offered on this page, embracing all the best of the novelties and those of recent introduction for \$4.50.

MICHELL'S SUPERB HARDY PHLOXES



Phlox "Mrs. Jenkins" **BICOLORED VARIETIES**

Braga. Rich lilac rose, large trusses. 25c. each; doz., \$2.50.

Crepuscle. Silvery mauve, crimson center; very distinct and telling shade. 25c. each; doz., \$2.50; \$17.50 per 100.

Europa. Blush white, with a large deep pink centre, making it a very showy combination. Very new and the best in its class; the flower truss is very large, while the florets are also of gigantic size.

Grideur. Soft rosy mauve, heavily suffused and overlaid with a lovely deep shade of cerise, giving the whole a beautiful mottled appearance. 25c. each; doz., \$2.50; \$17.50 per 100.

Hervor. Soft rich pink, with a white eye. 25c. each; doz., \$2.50; \$17.50 per 100.

Wanadis. Flowers mottled white and light violet, resembling somewhat the Phlox Canadensis. Each flower has a distinct

reddish eye. 30c. each; doz., \$3.00; \$20.00 per 100.

Widar. Reddish violet, with a distinct white centre. 20c. each; doz., \$2.00; \$15.00 per 100.

WHITE VARIETIES

Frau Anton Buchner. Very large pure white flower truss with gigantic individual florets. It makes a fine edging for a bed of hardy phlox, being of a very dwarf nature. 25c. each; doz., \$2.50; \$17.50 per 100.

Jean d'Arc. One of the latest white flowering, and for this

reason should be included in every collection.

Miss Lingard. White, lilac eye. 25c. each; doz., \$2.50.

Mrs. Greenlees. White, rosy center. 25c. each; doz., \$2.50. Mrs. Jenkins. Of medium height, with immense clusters of pure white flowers; very effective when planted in masses.

Ringleader. White, veined cherry red. 25c. each; doz., \$2.50. Tapis Blanc (New). Undoubtedly the best semi-dwarf in this color. The flower panicles are of immense size. It flowers early and continues until late in the autumn. It is of the best of the recent introductions. 25c. each; doz., \$2 50; \$17.50 per 100. Von Lassburg. The Queen of all clear white phloxes; trusses

and single flowers are immense in size. As the plant is rather dwarf, it should always be planted in the foreground.

PURPLE AND LAVENDER VARIETIES

Rich royal purple, suffused crimson. This shade in phlox is much in demand. 25c. each; doz., \$2.50; \$17.50 per 100. Antonie Mercie. Light ground, suffused lilac.

Asia. Rich shade of mauve. Color entirely distinct; must be seen to be appreciated. 25c. each; doz., \$2.50; \$17.50 per 10o. B. Comte. Brilliant rich purple; a fine variety.

Eugene Danzanvilliers. Delicate lavender; very attractive and

decorative color; immense flowers. The peer of its color.

Frithjof. Light violet, without eye. The trusses are very large, while the florets are also of exceptional size. Very recommendable variety. 50c. each; doz., \$5.00. Hercules. Rosy lilac. 25c. each; doz., \$2.50. Indian Chief. Dark purple. 25c. each; doz., \$2.50.

Iris. A variety of rare merit, and whether grown in masses or as a single specimen, the color will immediately arrest the eye. It is a deep reddish violet, of compact, erect habit, with

PURPLE AND LAVENDER VARIETIES (Continued) flower trusses that rival any others for size. 25c. each; doz., \$2.50; \$17.50 per 100.

Le Mahdi. Of the shades of blue offered to-day, there are many which approach magenta; for this reason we highly recommend this sort, which is a royal deep purple.

Riverton Jewel. Beautiful mauve rose, illuminated by a brilliant carmine eye. 25c. each; doz., \$2.50; \$17.50 per 100.

Tolstoi. Coppery amaranth with blood red centre. 30c. each;

doz., \$3.00.

W. C. Egan (New). Pale lilac, with intense solferino red eye. Of medium height and branching habit. Very attractive. 20c. each; doz., \$2.00; \$15.00 per 100.

PINK VARIETIES

Elizabeth Campbell. Identical in shade of color with Mrs. John Laing Rose; delicate, refreshing pink with a white eye. Quite distinct, producing immense flower heads, 20c. each; doz., \$1.75; \$12.00 per 100.

Fantasy. Rosy mauve. 25c. each; doz., \$2.50.

Gefion. Lovely peach blossom pink, with a distinct bright rose eye. The flower trusses are very large and compact. 30c. each; doz., \$3.00; \$20.00 per 100.

Jules Sandeau. Dwarf; large flowering; pure pink. 50c. each;

doz., \$5.00.

ofna. Soft rosy lilac, about 2 in. across. 50c. each; doz., \$5.00.

Lofina. Soft rosy lilac, about 2 m. across. 30c. cach; Albert Loki. Salmon pink, carmine eye. 30c. each; doz., \$3.00.

Madame Paul Dutrie. Delicate soft pink, resembles a delicate orchid. The flower trusses are enormous.

Minerva. Lilac rose, marked with white, with a bright carmine

eye; showy spikes; very compact. 50c. each; doz., \$5.00. **Rheinlander** (New). Deep salmon pink, with bright red eye; of vigorous growth and branching habit. Enormous flower trusses, which appear very early. 20c. each; doz., \$2.00; \$15.00 per 100.

Rheinstrom. A splendid new phlox with gigantic flowers of a bright pink. Quite tall, flowers early and continues in bloom till

frost; a grand variety. 25c. each; doz., \$2.50; \$17.50 per 10o.

Rosamundi. The best of its color; a vigorous grower, producing freely great spikes of enormous soft rose flowers. This variety is bound to become very popular. 25c. each; doz., \$2.50; \$17.50 per 100. R. P. Struthers. Deep salmon pink, dark center, very large.

Selma. Delicate soft pink, with deep red eye. Thor. A much deeper color than the popular Elizabeth Campbell.

Deep salmon pink, suffused with scarlet; a white halo surrounds the aniline red eye. 30c. each; doz., \$3.00; \$20.00 per 100.

RED AND SCARLET VARIETIES

Baron von Dedem. Dcep pink, suffused oranges; immense trusses. Coquelicot. Brilliant orange scarlet, with a large truss. Electra. A brilliant red, with a darker shade; one of the very

best. 50c. each; doz., \$5.00.

Fernand Cortez. Cerise pink, with a purple eye.

General von Heutsz. This produces immense trusses of enormous flowers, which are of a delicate salmon scarlet, surrounded with a lavender eye, which is edged white. Geo. A. Strohlein. Bright scarlet, with crimson red eye.

Gen. Chanczy. Orange, suffused scarlet; purple eye.

Goliath. A distinct variety of attractive appearance; a tall grower, attaining a height of 3 feet. The flower trusses are large and of a bright cerise color with deep eye.

Matador. Cherry red, crimson eye; dark foliage.

Montagnard. Dark purple claret; large spikes and flowers. Professor Virchow. Bright carmi each; doz., \$2.50; \$17.50 per 100. Bright carmine, shaded orange red. 25c.

Siebold. Bright scarlet; very fine.

Tragedie. Carmine red, with a distinct blood red eye. 30c. each; doz., \$3.00; \$20.00 per 100.

Von Hochberg. Rich deep crimson. 25c. each; doz., \$2.50; \$17.50 per 100.

Price of any of the above Phloxes, except where noted, in strong plants 20c. each; doz., \$1.50; \$10.00 per 100.

PHLOX SUFFRUTICOSA

These differ from the others in that the foliage and stem are deep green and glossy, and they begin to blossom in June and remain in bloom until October.

Hercules. Bright rosy lilac.

Fantasy. Rosy mauve. Indian Chief. Bright dark purple.

Miss Lingard. White, lilac eye.

Snowdon.

Price of any of the above Phlox Suffruticosa. 25c. each; doz., \$2.50; \$17.50 per 100. Special Offer: One each of the above seven varieties for \$1.50.

Other hardy Phloxes will be found among the pages of perennials in alphabetical order.

Phlox Arendsi

A new dwarf class, from 12 to 24 inches high. The plants are of vigorous, branching habit and continue to flower from the latter part of May until the end of July.

Amanda. 12 inches high; delicate lilac with deeper centre.

Charlotte. 18 to 24 inches high; pale lilac shaded pink, dark eye.

Grete. Very branching habit; 20 inches high; flowers pure white.

Kathe. 20 inches high; flowers purplish rose with dark eye.

Louise. 2 feet high; strong grower; light lilac with a carmine eye.

Price of any of the above Phlox Arendsi, 25c. each; doz., \$2.50; \$17.50 per 100.

Phlox (Miscellaneous)

Amoena. A beautiful plant, with soft rosecolored flowers; one of the best for rockery or borders; 4 inches high, April-

Divaricata Canadensis. A patch of these makes a spring show hard to describe. The large heads of fragrant lavender flowers appear the latter part of April and in May.

Divaricata Alba Grandiflora. A whiteflowered form of the above.

Divaricata Laphami (Perry's Variety).
The most beautiful variety introduced. The flowers are of a lovely soft plumbago-blue color, much brighter and larger than those of Divaricata. Flowers abundantly from April to the end of July 25c. each; doz., \$2.50; \$17.50 per

Ovata Carolina (Mountain Phlox). handsome evergreen species of dwarf habit, with masses of rosy pink flowers; 10-12 inches; May and June.

Pilosa Splendens. One of the most beautiful spring-flowering Phloxes. Grows about 15 inches high and produces an abundance of lilac rose flowers, forming a regular pillar. 35c. each; doz., \$3.50.

Subulata Rosea (Moss Pink). Moss evergreen-like foliage, tucking close to the ground and covered completely with pink star-like flowers in May.

Subulata Alba. The same as Rosea, with pure white flowers.

Subulata Nelsoni. Pure white.

Subulata Lilacina. Lilac.

Price of any of the above Miscellaneous Phlox (except as noted), 20c. each; doz., \$2.00; \$12.00 per 100.

Phlox Decussata

(Other Hardy Phlox, see pages 168 & 169)

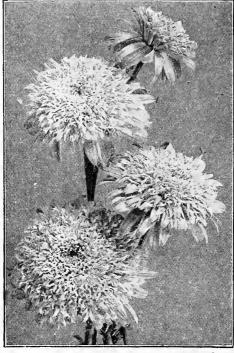
Physostegia (False Dragon Head)

Attractive perennials, blooming July and August; 3 to 4 feet high; throwing up spikes, decked with delicate tube-shaped flowers, somewhat resembling a large flowering heather.

Virginica. Delicate soft pink.

Virginica Alba. Pure white.

Price of either of the above, 20c. each; doz., \$2.00; \$12.00 per 100.



Pyrethrum-Double-Flowering (See page 171)

Platycodon (Japanese Bell Flower)

Very useful for cutting, and with a very long flowering season, lasting from June

until October. Height, 2 to 3 feet.

Grandiflorum. Beautiful blue; very hand-

Grandiflorum Album. Identical with the above, except the color, which is pure white.

Price of either of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

Plumbago (Leadwort)

Larpentae. A dwarf spreading plant, splendid for rock garden and for edging hardy borders. During summer and fall months it is covered with rich deep blue flowers. 20c. each; doz., \$2.00; \$12.00 per 100.

Hardy Garden Pinks (Double)

These old-fashioned favorites, bearing their clove-scented flowers during the spring and early summer, are absolutely perfect as an edging or as cut flowers.

Carmen. A fine early light pink. Her Majesty. One of the best: pure white. Homer. Rosy-red, with dark centre. 25c. each; doz., \$2.50; \$17.50 per 100.

Juliette. White, bordered crimson. White Reserve. Flowers the entire summer; pure white.

Price of any of the above hardy garden pinks (except where noted), 20c. each; doz., \$2.00; \$12.00 per 100.

Polemonium (Jacob's Ladder)

Handsome border plants, about I foot high, succeeding best in a semi-shaded location June-Sept.

Richardsoni. Sky blue with golden anthers.

Richardsoni Alba. A white form of the above.

Price of the above, 20c; each; doz., \$2.00; \$12.00 per 100.

Iceland Poppies

The graceful foliage is surmounted with a mass of stems a foot high, which terminate in a beautiful cup-shaped flower. Flowers continuously the entire summer.

Orange King (Orange Yellow). White. Yellow. Mixed Colors

Any of the above, 20c. each; doz., \$1.50; \$10.00 per 100.

Oriental Poppies (Papaver)

The gorgeous colored flowers of the Oriental type make a rich, brilliant show. These bloom usually in July. After the flowering period the plants have a tendency to take on the appearance as if they were dead. But they return to vigor usually as soon as the weather becomes cool.

Fuerstenkind. Brilliant scarlet. Goliath. One of the most effective, large flowers of a rich scarlet; the largest flowered of this class.

Lightness. A beautiful sort of Princess Victoria Louise, being white at the center upwards the middle of the petal, changing to a fine pale salmon. 50c. each; \$5.00 per dozen.

Mahony. Crimson maroon, shaded mahog-

Marie Studholme. Pure salmon, shaded silvery.

Mrs. Perry. Soft salmon rose. Muriel Russel.

Oriental King. Crimson scarlet flowers, with strong stems. 35c. each; doz., \$3.50. Perry's White. Pure sating white with a bold crimson blotch at the base of each

petal. 50c. each; doz., \$5.00. Princess Victoria Louise. Beautiful shade of salmon pink.

Rose Queen. Clear salmon pink. Silberblick. Silvery white, shaded salmon. Price of any of the above Oriental Poppies (except where noted), 25c. each; doz., \$2.50; \$17.50 per 100.

Polygonum (Knot Weed)

Compactum. This variety is covered with white flowers during August and September; 15 inches.

Cuspidatum. Grows 5 to 7 feet high, and produces in the autumn long, drooping clusters of white flowers; fine for planting with shrubbery.

Price of the above Polygonums, 20c. each; doz., \$2.00; \$12.00 per 100.

Potentilla (Five Fingers)

Handsome plants, with brilliant flowers, which appear in great profusion from June until August. They do well in any soil; 18 inches high.

Atrosanguines Gibsons Scarlet. Fine brilliant scarlet single flowers; plant of branching habit; covered with bloom from June to autumn.

Formosa. Fiery orange, with light yellow.

Hoopwoodiana. Dark red, shaded yellow. Mepaleusis "Miss Willmott." scarlet; very free bloomer.

Price of Potentillas, 25c. each; doz., \$2.50; \$17.50 per 100.

Poterium

Obtusatum. A gem for the border, with bright dark pink flowers of graceful feathery appearance. Blooms continually from beginning of July until September. 75c, each; doz., \$7.50.

MICHELL'S HARDY PERENNIAL PLANTS 171

Grandiflora. Dwarf growing plant, suitable for shady places and rockery work. Blooms continuously all summer. ple flowers. 25c. each; doz., \$2.50; \$17.50

Primula (Hardy Primrose)

One of the first of the early spring flowers which delight in a rich soil, preferably in a semi-shaded location. Some of the varieties are richly colored, and are worthy of a place in every hardy garden. As a hardy border edging, as well as for rockery planting, it can be highly recommended.

Acaulis Alba Plena. Double white. 25c.

each; doz., \$2.50.

Acaulis Lilac. Very early and prolific.

25c. each; doz., \$2.50.

Auricula A mixture of brilliant shades of red and yellow, of seed saved from the finest strains. 20c. each, doz., \$1.50; \$10.00 per 100.

Vulgaris (English Primrose). Canary yellow. 20c. each; doz., \$1.50; \$10.00 per 100. Vulgaris Coerulea. Light blue. 20c. each; doz., \$1.50; \$10.00 per 100.

Veris Superba. A giant flowered form of Primula veris, golden yellow. 20c. each;

doz., \$2.00; \$12.50 per 100.

Veris (English Cowslip). A mixture, covering various shades of red and yellow. 20c. each; doz., \$1.50; \$10.00 per 100.

Primula Polyanthus

New Hybrids mixed. Our Giant strain of these beautiful hardy Primula is unsurpassed. It comprises the finest varieties in crimson, yellow, golden laced, etc., in magnificent mixture. 20c. each; doz., \$1.50; \$10.00 per 100.

Pulmonaria (Lungwort)

Angustifolia Azurea (Blue Cowslip).
This is the prettiest of the blue varieties; grows about 12 inches high and is one of the first to flower in spring. 25c. each; doz., \$2.50; \$17.50 per 100.

Saccarata Maculata. A beautiful plant of easiest culture; foliage dark green,

variegated silvery grey. Grows I foot high; flowers pink, changing to blue. 25c. each; doz., \$2.50.

Pyrethrum

This is one of the handsomest perennial flowers in cultivation to-day. The large daisy-like blooms appear as early as June and continue in abundance continuously until September. They delight in a rich soil with a natural drainage. They thrive best in the full sunlight. As the flowers die, the old stems should be cut off to encourage new blooms.

Uliginosum. Single giant white. each; doz., \$2.00; \$15.00 per 100.

Uliginosum Stellata. A greatly improved form of the Uliginosum. The flowers of this Giant Daisy are immense and of the purest white; with long narrow petals, which give it a refined appearance. 25c. each; doz., \$2.50; \$15.00 per 100.

Single Flowering in choicest mixture. Embraces deep red, shades of rose and pink to pure white. Strong flowering plants.

20c. each; doz., \$2.00; \$15.00 per 100.

Double Flowering. Choice named rieties in crimson, rose, white tinted lilac and pure white. 35c. each; doz., \$3.50. One each of the four colors, \$1.25.

Ranunculus (Buttercup)

Acris Fl. Pl. A dainty double sort with yellow, button-like flowers; 2 feet. 20c. each; doz., \$2.00; \$12.00 per 100.

Rosemary

Officinalis. 20c. each; doz., \$2.00; \$12.00 per 100.

Rudbeckia (Cone Flower)

A variety of these will furnish a supply of cut flowers from early July until Sep-They are extremely hardy, doing well with every one. They could be termed "a city garden perennial," doing so well with little attention.

Golden Glow. Double canary yellow; 6 feet; flowers in August.

lorgenroete (New). A decided improvement on the old favorite, "Pur-Morgenroete (New).

riea." Flowers 4 to 5 inches across; of a beautiful rosy lilac color, with a large distinct cone of light orange, which purea.' harmonizes well with the petals. each; doz., \$5.00.

Newmanni. Single dark orange with deep

purple cone centre; 3 feet high; flowers

from July to September.

Purpurea (Giant Purple Cone Flower). The flowers remain in perfect condition on the plants for weeks at a time. Flowers from July to September; 21/2 feet high.

Purpurea Tubiflora. Large flowers of brilliant red; petals are formed in a long tube and open gradually. The clusters of flowers are carried on strong stems about 3 feet high. 50c. each; doz., \$5.00.

Autumn Sun. A splendid single flowering sort; very showy. It has long, broad petals of a bright primrose yellow; 5 to 6 feet high; flowers from August to October.

Rays of Gold. An improved form of the well-known Golden Glow. The flowers have the same golden color, but have narrow petals, which form a perfect globe.

Price of above Rudbeckias (except where noted), 20c. each; doz., \$1.50; \$10.00

Satureia (Winter Savory)

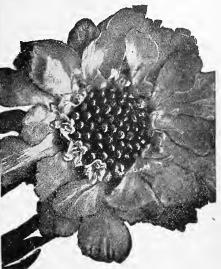
Montana. An evergreen, aromatic plant with slender, branching stems; 12 in. high; covered with showy white flowers in August and September. 25c. each; doz., \$2.50.

Saxifraga

These are exceedingly valuable for the front of the border or shrubbery, also for rockeries. The plants form masses of handsome deep green foliage, and the flowers appear very early in spring, as soon as the frost is out of the ground; they will thrive in any kind of soil and in any location; I foot high.

Cordifolia. Light pink. Croesus. Red. Delia. Crimson purple. Orbiculare. Deep rose. Speciosa. Crimson. Speciosa. Stracheyi Alba. White.

Price of Saxifragas, 25c. each; doz.,



Scabiosa Caucasica Scabiosa

The hardy variety is even more wonderful and of greater beauty than the annual sort, commonly called Mourning Bride. The flowers are gigantic, measuring frequently 3 inches and more in diameter. It delights in a sunny position, and is a cut flower few perennials can equal. It lasts a long while in water. The average height is about $2\frac{1}{2}$ feet. Very free flowering. Caucasica. A delicate shade of lavender

blue, starting in flower in June and lasting well through the summer.

White. Like the above, Caucasica Alba. except the color.

Japonica. Rich lavender blue; July and August.

Lutea Gigantea. Sulphur yellow. 6 ft. July-August.

Price of Scabiosas, 25c. each; doz., \$2.50; \$15.00 per 100.

Salvia (Meadow Sage)

Azurea. The plant is covered with a mass of rich sky blue flowers, commencing in July and lasting until September; about 3 feet tall. 20c. each; doz., \$2.00; \$12.00 per 100.

Salvia Virgata Nemorosa. This splendid new variety grows into a shapely dense bush form, above which tower the flower spikes, decked with many deep blue blos-Blooms continuously from July soms. to September; 21/2 feet.

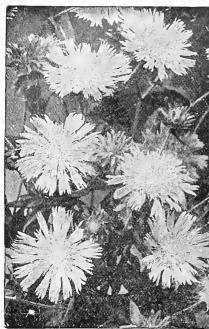
Greggii. Cerise crimson; 2½ to 3 feet. Blooms the entire summer and is quite hardy. 35c. each; doz., \$3.50; \$25.00 per 100. Uliginosa. A beautiful late sort of an attractive shade of blue with a distinct white eye. The plant is of upright habit, branching, and grows about 5 feet high. It blooms freely and flowers practically at every axil. 20c. each; doz., \$2.00; \$12.00 per 100.

Pitcheri. Similar to the Azurea, but of more branching habit; the flowers are very large and of a deep blue color; 3 feet high; July-September.

clarea. An interesting variety. Pale purple flowers, lower lip white; 3 feet; Sclarea. June and July. 20c. each; doz., \$2.00: \$12.00 per 100.

Price of the above Salvias (except where noted), 25c. each; doz., \$2.50; \$17.50 per 100.

MICHELL'S HARDY PERENNIALS



Schizophragma (See page 177) Scutellaria

Coelestinum. A dwarf spreading Alpine plant, with bright blue flowers; splendid for rockeries; July-August. 20c. each; doz., \$2.00; \$12.00 per 100.

Sedum (Stonecrop)

The foliage of this is a distinct attraction in itself, being of a yellowish green shade; for covering rockeries, in borders or beds on cemetery lots it is indispensable. The flower, which appears in July, is bright yellow and lasts on the plant a long while; height, 6 inches. Album. Green foliage, white flowers; height, 6 inches.

Maximum Atropurpureum. Dark bronzypurple foliage; red flowers. 25c. each; doz., \$2.50; \$17.50 per 100. Sexangulare (Love'en'tangle). Dark green

foliage; yellow flowers; 6 inches.

Sieboldii. Roundish foliage, with a blue cast, the flowers, which appear in August and September, are bright pink. Spectabilis. This variety grows about 18

inches and flowers in June, foliage light green, immense heads of pink flowers.

Spectabilis Brilliant. One of the prettiest tall growing species, reaching a height of about 18 inches; broad light green foliage and richly colored flowers of amaranth red. September-October. 25c. each; doz., \$2.50; 100, \$17.50.

Stahli. Compact variety with crimson

tinted foliage in autumn.

Price of any of the above, except where noted, 20c. each; doz., \$2.00; \$12.00 per 100.

Saponaria (Soap Wort)

Caucasica. Double white, tinted rose, flowering all summer; 15 inches high. Ocymoides. A splendid plant for rock

work, growing only 9 in. high. Covered through the whole summer with masses of small, brilliant pink flowers.

Either of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

Senecio (Groundsel)

Clivorum. A very effective plant with large green foliage and loose branching heads of bright yellow flowers; 3 to 5 feet high. Good for low, damp locations. 25c. each; doz., \$2.50; \$17.50 per

Pulcher. Brilliant rosy purple flowering on stems, 2 feet high. 25c. each; doz., \$2.50.

Wilsonianus. A new species from China, bearing immense branching panicles of golden yellow flowers. 50c. each; doz., \$5.00.

Veitchianus. This variety grows 6 feet, with large heads of bright yellow flowers. 25c. each; doz., \$2.50.

Shasta Daisy

(See Chrysanthemum, page 154)

Silene (Catchfly)

Charming Alpine plants, in bloom from spring until fall; fine for rockeries.

Alpestris. Star-shaped, white flowers on slender stems; 6 inches.

Asteria Grandiflora. Bright red flowers; all summer; 3 feet high.

Schafta. Rosy purple; 4 inches high; July

Price of above Silenes, 20c. each; doz., \$2.00; \$12.00 per 100.

Solidago (Golden Rod)

Altissima. The finest of the Golden Rods. growing 4 to 5 feet high, with stately panicles of bright golden yellow flowers from July to September.

Canadensis. Our native Golden Rod; deep yellow flowers in August and September; 4 feet.

Golden Wings. The finest of the Golden Rods; very showy; 5 feet high, with immense panicles of bright golden yellow flowers from July to September. 25c. each; doz., \$2.50; \$17.50 per 100.

Price of Solidagos (except where noted), 20c. each; doz., \$1.50; \$10.00 per (except where

Spiraea (Drop Wort)

Graceful border plants with feathery plumes of flowers; specially adapted for shady positions.

Aruncus. A majestic plant, growing 4 to 6 feet high; large plumy foliage and massive plumes of white flowers; fond of moisture and shade.

Filipendula. A fine variety with large plumes of white flowers.

Filipendula fl. pl. A charming variety with double white flowers and deeply cut foliage; 11/2 feet; June and July.

Palmata (Crimson Meadow Sweet). Purplish red stems and crimson purple flowers; 3 feet; June-July.

Ulmaria fl. pl. Double white; 3 feet; June-July.

Venusta Magnifica. A magnificent new sort with intense rosy-red, fragrant flowers; 4 to 5 feet; June-July. 50c. each; doz., \$5.00.

Price of above Spiraeas, except where noted, 20c. each; doz., \$2.00; \$12.00 per

For other Spiraeas, see page 181.

Stachys (Wound Wort)

An attractive plant, 12 to 15 inches high; flowering in June and July.

Betonica Rosea. Rich brilliant pink.

Lanata. An ideal edging plant with bright silvery-white woolly foliage. The flow-ers, which are rather small, are bright purple; 8 inches high.

Either of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

Statice (Sea Lavender)

Principally grown for dried winter bouquets.

Gmelini. Immense panicles of flowers of a delicate light blue color; 15 inches

high; July to October.

Latifolia. Gigantic heads of dark blue flowers; June to October.

Eximia. Large panicles of pretty lilac flowers; 15 to 18 inches high.

Tartarica. Deep lilac flowers, which appears all supports to 18 inches high.

pear all summer; 15 to 18 inches high.

Price of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

Stenanthum (Mountain Feather Fleece)

Robustum. An interesting, showy perennial from the Caroline Mountains; the fine spear-like leaves bend charmingly on all sides and from the centre springs a tall flower spike, bearing an immense number of small pure white flowers. 50c. each; doz., \$5.00.

Stokesia (Corn Flower Aster)

The flower has the appearance combining a giant cornflower and an aster. Plants are 18 inches high and are of spreading habit, blooming from June until frost. Succeeds in most any location.

Cyanea. Very light blue. Cyanea Alba. Pure white.

Price of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

Sylphium (Cup Plant)

Perfoliatum. Large, beautiful foliage plants, with opposite leaves, which join around the stem forming cup-like cavities; flowers yellow in corymbose heads. 25c. each; doz., \$2.50; \$17.50 per 100.

Sweet William (Dianthus Barbatus)

This plant occupies a foremost position, producing, early in spring, quantities of bloom which make a grand effect for just when they are in flower, it is generally too soon for other perennials for wild garden effect, Sweet Williams should occupy first

Michell's Prize Mixture. In all colors.

Pink Beauty (sometimes called Newport Pink). A splendid shade of salmon with immense flower trusses. When massed it is a striking feature of the perennial garden; an extra fine novelty.

Pure White, Crimson, Red with White Eye, Maroon, Scarlet, Violet with Eye, Pink. Each color separate.

Price of any of the above, in extra strong plants, 20c. each; doz., \$1.50; \$10.00

Tanacetum

Bright yellow flowers and curled leaves; 3 feet; July to September. 20c. each; doz., \$2.00; \$12.00 per 100.

MICHELL'S HARDY PERENNIAL PLANTS

Thalictrum (Meadow Rue)

Very graceful plants with handsome, finely cut foliage; they make splendid border plants, also useful for rockeries.

Aquilegiafolium Atropurpureum. Rosy

purple; 3 feet.

Aquilegiafolium Album. White; 3 feet.

Aquilegiafolium Album Compactum. compact growing form of the Columbine-leaved Meadow Rue, not over 2 feet

high; flowers of purest white in large heads. 35c. each; doz., \$3.50. Flavum. Rich yellow; 2 feet.

Adiantifolium. Foliage resembles the Maiden Hair Fern; miniature white flowers appear in profusion in June and

July; 12 inches. Glaucum. Finely cut foliage, yellow flow-

ers; 2 feet.

Dipterocarpum. Valuable for cut flowers. The individual plants are of a rosy purple color; 4 feet; June to August. 35c. each; doz., \$3.5o.

Price of above Thalictrums, except

where noted, 25c. each; doz., \$2.50; \$17.50

per 100.

Thermopsis

Caroliniana. A showy, tall growing plant, 3 feet high; long spikes of yellow flowers in June and July. 25c. each; doz., \$2.50; \$17.50 per 100.

Tricyrtis (Japan Toad Lily)

Hirta. An excellent plant of Japanese origin; 2 to 3 feet; very free blooming; the white flowers are plentifully besprinkled with purplish dots. 25c.each; doz., \$2.50; \$17.50 per 100.

Trillium (Wood Lily)

Excellent for shaded positions, flowering very early in spring. It looks best when planted promiscuously among hardy plants. Erectum. Purple.
Grandiflorum. White.

Price of Trilliums, 15c. each; doz., \$1.50; \$10.00 per 100.

Tritoma

(Flame Flower, Torch Lily or Red Hot Poker Plant)

In summer and autumn when other flowers are on the wane, the Tritoma looms up and furnishes a wealth of bloom till killing frosts check it. A vase of these arranged with autumn leaves or ornamental grasses make a handsome effect. Though the roots are considered hardy, we, however, recommend that they be lifted in the autumn and placed in a box of soil or sand, preferably in the cellar. There are a number of varieties in commerce, but the sort mentioned below seems to be demanded most and fills every need. Pfitzeri. Blooms from August till October; rich orange scarlet. 25c. each; doz., \$2.50; \$17.50 per 100.

uckii. The flowers of this variety are

Tuckii. of a distinct shade of red, shaded primrose yellow; 4 feet high; August-September. 25c. each; doz., \$2.50; \$17.50

per 100.

Quartiniana. Bold, Yucca-like foliage; 5 to 6 feet high; bright scarlet fading to pale yellow, in early summer. 35c. each; doz., \$3.50.

MacOwani. A wonderful free bloomer; 2 feet high; flowers are rich coral red; splendid for massing. 25c. each; doz., \$2.50; \$17.50 per 100.

Trollius (Globe Flower)

An early flowering plant, lasting in bloom till August. It prefers a shaded location; while hardy, we recommend a slight protection to the plant in winter; height, 12 inches.

Caucasicus "Orange Globe." A fine bold variety, with large, deep-orange colored

flowers.

Europaeus. Bright yellow, Japonicus "Excelsior." Very deep orange colored flowers.

Price of any of the above, 25c. each; doz., \$2.50; \$17.50 per 100.

Tunica

Saxifraga. A pretty plant of a very graceful trailing habit; pink flowers; fine for rockeries. 25c. each; doz., \$2.50.

Valeriana (Spurred Flower)

Coccinea. Showy heads of red flowers, in bloom all summer; 2 feet.

Coccinea Alba. A white form of the above.

Officinalis (Hardy Garden Heliotrope). Showy pink flowers from June to August, with a strong heliotrope perfume. Price of any of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

Verbascum

Phoenicium. A most decorative plant, producing deep violet flowers on long spikes, often 3 feet long. Blooms continuously from July to September. 25c. each; doz., \$2.50; \$17.50 per 100.

Viola (Tufted Pansles)

A so-called everblooming pansy. They are in ways better than pansies, as they start to flower in April and are a blaze of color till killing frosts. While not as large as pansies the flowers are so free that they are planted extensively in preference to the latter. If possible they should be put in a shaded location where they flower most freely. Blue and Purple, White and Yellow varieties separate. 15c. each; doz., \$1.25; \$8.00 per 100.

Gustav Wermig. In crossing the Tufted Pansy with a sweet-scented Violet we have here a most wonderful new flower, resembling in form, shape, color and length of stem a well-known Florist's Violet, Princess of Wales, but the foliage is that of the Pansy. The most remarkable feature of this novelty is its freeness of bloom; a bed of these is a sea of blue from beginning of May until frost time. 20c. each; doz., \$1.50; \$10.00 per 100.

Pedata (Bird's Foot Violet). variety, with finely cut foliage and showy blue flowers. 15c. each; doz., \$1.50; \$10.00 per 100.

Pedata Bicolor. An elegant variety of the above; the upper petals are rich royal purple; the lower petals almost white. 20c. each; doz., \$2.00; \$12.00 per 100.

Violets

Double Russian. Perfectly hardy and when grown in the open, they are covered with deep purple flowers of dainty fragrance in the spring. 20c. each; doz., \$2.00; \$12.00 per 100.

Veronica (Speedwell)

A fairly numerous and much grown group of perennials which, with few exceptions, bears spikes of blue flower. Excellent for cutting.

Amethystina. Amethyst blue, flowers in June and July; 2 ft. high.

Incana. White, silvery like foliage, tufted with pale blue flowers; 12 to 18 inches; July and Augst.

Longifolia Subsessilis. Grows 2½ feet high and is completely studded with spikes of rich blue flowers from July to August. 25c. each; doz., \$2.50; \$17.50

Repens. Fine for rockeries or carpet bedding; light blue flowers; 6 inches.

Royal Blue. An exquisite blue flowering sort; flowers from June to August; 21/2

Spicata. A very valuable species; dense tufts; erect spikes of blue flowers in June and July; 18 inches.

Spicata Alba. Similar to preceding, but with white flowers.

Virginica. Free flowering, with bold upright habit. Pale blue; July and August.

Virginica Alba. Large, pure white.
Price of above Veronicas (except where noted), 20c. each; doz., \$2.00; \$12.00 per

Vinca (Periwinkle or Myrtle)

It is often a perplexing problem to find the plant that will do well in a dense shade. Right there is where Vincas of the hardy class should be employed, also in lawn plantings under trees, in woodlands and on spots where it is desired to cover the ground and no grass will grow. The attractive light lavender flowers produce a sheen of color in May. It is valuable for planting on cemetery lots by reason of its dwarf creeping habit. The foliage is green all winter.

Aurea (New). Identical in habit and value with the Minor type, except that the foliage is green, margined yellow. It is fast becoming very popular by reason of the brilliant show it makes when mixed in plantings of the Minor variety.

25c. each; doz., \$2.50; \$17.50 per 100.

Minor. Green foliage, lavender flowers. Extra strong plants, 20c. each; doz.,

\$1.50; \$10.00 per 100.

Wallflower

These old favorites should be in every garden. Their fragrance is superb. offer these in mixed colors, including brown, yellow, etc. 20c. each; doz., \$2.00; \$12.00 per 100.

Yucca (Adam's Needle)

This plant sets off to best advantage if placed as individual specimens either on the lawn or in the shrubbery border. foliage is of an evergreen nature, is slender and pointed. The tall flower-spikes rise 4 to 5 feet above the plant and are decked with cream white bell-shaped drooping flowers July and August. A majestic plant, especially fine for producing tropical effects.

Filamentosa. White, with reflexed flower bells. Extra strong plants, 25c. each; doz., \$2.50; \$17.50 per 100.

This family of Climbing Plants are probably more popular than any other. Some of the small flowering varieties are exceedingly fragrant. The large flowering types make a glorious effect on account of their gigantic blooms and striking appearance. All Clematis de-light in plenty of sunlight, rich soil and plenty of water in dry weather. Our list of large flowering sorts is limited to the best varieties, which bloom generally in June.

LARGE FLOWERING VARIETIES

Note.—Great care should be exercised in planting the large-flowering varieties. During the process of transplanting, the stem is likely to get broken below the eye shoots, which would render the plant useless. To guard against this, place a few stakes around the plant to protect it after planting. In the winter put a covering of straw, long manure or leaves around the roots

Duchess of Edinboro. Double, pure

Henryi. Creamy white large single flower borne in great profusion

Integrifolia Durandi. Grows about 5 feet high, flowers early in the summer, intermittently until autumn; produces very large flowers of an intense shade of indigo blue. Conceded to be one of the finest of the Clematis family and described as being of wonderful

Jackmanni. Violet-purple, intensely colored gigantic flower.

Mme. Baron Veillard. A rich, red-

dish purple.

Mad. Edouard Andre. Velvety red

flowers are well formed of great substance; the blooms are gigantic Montana Grandiflora. Large, pure white flowers about 2 inches in diameter, begins to flower early in April and at times the whole plant is covered with bloom.

Montana Rubens (New) Medium-sized flowers, a soft shade of rosy red, looks excellent when massed among Clematis Paniculata Though it dies down in the winter, the roots should be protected to ensure its remaining alive in the latitude of Philadelphia. eacn; doz., \$7.00.

Nelly Moser. White and pink in one flower; striped carmine pink,

flowers are often 4 to 5 inches in diameter, ieboldi (Hybrida). Very large bright blue flowers, a distinct con-Sieboldi (Hybrida). trast to every other variety. Ville de Lyon. Bright carmine

Price of any of the above Large Flowering Clematis, except where

noted, in extra strong pot-grown plants, 50c. each; doz., \$5.00.

SMALL FLOWERING VARIETIES

These flower profusely, and are in demand for covering porches, trellis and arbors, and to climb over posts and fences.

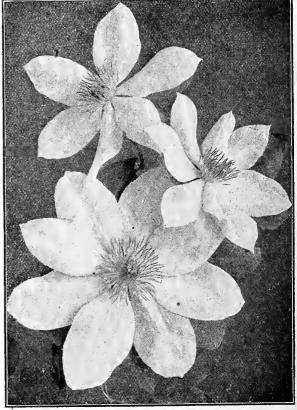
Coccinea. Bright red, bell-shaped small flowers, which begin to

appear in June and last until frost. 30c. each; \$3.00 per doz. Crispa. This variety bears sweet-scented, lavender flowers, white in the centre. It flowers early and continues until frost. Makes an excellent combination of color when planted with the Flammula and Coccinea varieties. Extra strong plants, 30c each; \$3.00 per doz. Flammula (Fragrant Virgin's Bower). White flowers, a trifle smaller

than above; fragrant, blooms June and July Extra strong plants, 30c, each; doz., \$3.00.

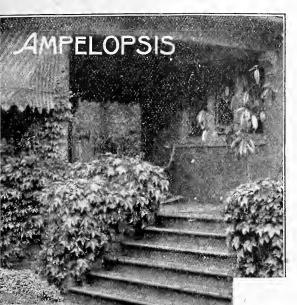
Paniculata (Japanese Virgin's Bower). A strong luxuriant grower, with light green foliage. At the close of August innumerable star-like flowers cover the vine in a sheet of fragrant white. Strong plants, 25c each; per doz, \$2.50; \$15.00 per 100. Extra strong plants, 50c. each; per doz, \$5.00; \$35.00 per 100.





Clematis Jackmanni. One of the most beautiful of the large flower-

SERVICE AND RESERVED.



AMPELOPSIS—Continued

Quinquefolia (Virginia Creeper). The large, handsome, dark green leaves are deeply cut into five lobes, hence the name "Five into five lobes, hence the name "Five Finger" is often given to it. In the autumn the foliage turns a beautiful rich crimson; especially adapted to covering tree stumps and trunks. Extra strong plants, 3oc. each;

per doz., \$3.00; \$17.50 per 100. **'eitchii** (Boston Ivy). The popular climber for brick and stone buildings and walls. The leaves are a beautiful deep green, which in the autumn turn to a coppery red. Strong plants, 30c. each; per doz., \$3.00; \$17.50 per 100. Extra large plants, 50c. each; doz., \$5.00.

ARISTOLOCHIA (Hardy)

ipho (Dutchman's Pipe), Handsome light green leaves, giving a quick, dense shade. The brown flowers are shaped like the bowl of a pipe. The vine retains its color throughout the entire summer. Large plants, 6oc. each; doz., \$6.00.

BIGNONIA (Trumpet Vine) (Hardy)

These are strong-growing vines, with rich green foliage and trumpet-shaped flowers.

Grandiflora. Large flowering, bright orange-red. Strong plants. 6oc. each; doz. \$6.00.

Radicans. Dark red, free-flowering, throat shaded orange. Our plants of this variety are extra large. 35c. each; doz., \$3.50.

CELASTRUS (Bittersweet or Waxwort) (Hardy)

A native of this country and a vine of rapid, quick growth. In the early summer it produces yellow flowers, which by autumn have turned to bright, orangecolored fruits, with red markings. The foliage is elongated, very dark green. Extra strong plants, 35c. each; per doz., \$3.5o.

CINNAMON VINE (Hardy)

A very free growing climber, with small white flowers deliciously scented; makes a quick, dense shade. These can be mailed. Extra strong roots, 10c. each; per doz. \$1.00; \$7.00 per 100. Strong roots, 5c. each; per doz., 5oc.; \$3.00 per 100.

COBEA (Annual) (Ready in May)

Scandens. A beautiful blue, cup-shaped flowering annual climber, very desirable for lattice covering, etc. Extra strong plants, 4 in. pots, 3oc. each; per doz., \$2.5o.

ENGLISH IVY (Hardy)

This is an invaluable plant for covering brick and stone walls and buildings. It rarely ever dies out and needs no attention. 4 in. pot plants, 3oc. each; per doz. \$3.00; \$20.00 per 100. 51/2 in. pot plants, 50c. each; doz., \$5.00; \$35.00 per 100.



Arguta (Silver Vine). An introduction from China which in this country is grown principally for the dense shading foliage, which is very dark green, heart shaped. In its native home it is supposed to flower yellow, although in this country it has not been known to bloom. Fine for covering tree trunks, arbors, etc. Strong plants, 6oc. each; doz., \$6.00; extra strong plants, 75c. each; doz., \$7.50.

AKEBIA (Hardy)

Quinata. Quick-growing vine; small, fine-lobed, half-evergreen leaves, and purplish brown or chocolate-colored flowers, which have a delicious odor. This plant is highly desirable where a dense shade is not desired. Extra strong plants, 30c. each; doz., \$3.00; 100, \$17.50.

AMPELOPSIS (Hardy)

Engelmanni. Handsome dense foliage; clings readily to stone and brick walls; foliage light green in summer, changing to a crimson in the autumn; very rapid grower. Strong plants, 35c. each; doz., \$3.50.

Henryana. A new and perfectly hardy beautiful variety from China, with fringed foliage, which gives it an attractive appearance. Toward autumn the foliage changes to brilliant red and shows a light colored vein. Extra strong plants, 50c. each; doz., \$5.00.

Humilifolia. A distinct species; dark glossy green foliage. In the early autumn the vine is loaded with round berries, which go through various shades of color, finally turning deep blue. This variety is very hardy. Strong plants, 50c. each; doz., \$5.00.

Elegans. Spleudid variety; glossy foliage; rapid grower; 50c. each; doz., \$5.00

Tricolor. Dark green foliage variegated white and pink, covered in the autumn with lustrous blue berries or seed pods. 35c. each; doz., \$3.00.

Lowii (New Japanese Ivy). Con-

ceded to be a great improve-ment over Veitchii. It pos-sesses every one of the merits of the latter and resembles it in many ways, except that the foliage is smaller and more finely divided. It clings to the smoothest surfaces on its own accord. Grows very rapidly, having foliage of a light green shade. In the autumn it changes to bright scarlet. Extra strong plants, 50c. each; per doz., \$5.00; \$35.00 per 100.



Bignonia Grandiflora

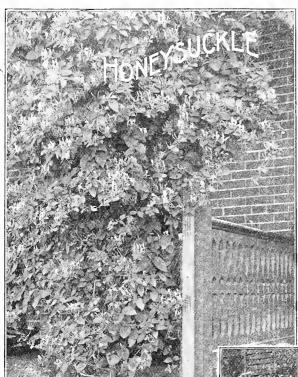
ABOUT BIGNONIAS and ARISTOLOCHIAS

"On account of these plants remaining in a dormant state until quite late in the spring, we find it has been in our customers' interests to not ship them too early. Experience has proven that about May 1st to 15th is the proper time for beginning to ship out such stock." If customers insist on earlier shipment we can do so at



Kudzu Vine (see page 176)

MICHELL'S CLIMBING PLANTS AND VINES



LATHYRUS (Hardy Sweet Pea)

This makes an elegant show, planted against trellis, lattice or individual posts. It is one of the very few vines which produces flowers for cutting.

White Pearl. Glistening pure white; giant flower trusses which are twice the size of the ordinary variety. It flowers during most of the summer and lasts well into autumn. One of the best hardy climbing or pillar plants in commerce to-day. 30c. each; doz., \$3.00.

Latifolius Pink Beauty. Brilliant rose.

Latifolius Albus. Pure white.
Extra strong plants of the above (except as noted), 20c. each; doz., \$2.00.

LYCIUM (Matrimony Vine) (Hardy) Barbarum. A dense growing climber, somewhat shrubby in nature. In late summer the small purple flowers are followed by a crop of red berries which remain until late winter. 30c. each; doz., \$3.00.

EUONYMUS (Hardy)

Radicans Variegata. An excellent little, self-clinging vine, suitable for covering walls, stumps or rockeries, or wherever a vine of slow growing habit is desired. Leaves are small and variegated. 20c each; doz., \$2.00; \$12.00 per 100.

Radicans Vegetus. adicans Vegetus. A large-leaved form; splendid for covering high walls. On account of their dense foliage and extreme hardiness, it will take the place of English Ivy for wall covering. 30c. each; doz., \$3.50; \$20.00 per 100.

Kewensis. A new variety with small, dark green foliage; valuable for rockeries and for covering ground under trees. 30c. each; doz. \$3.00; \$18.00 per 100. Radicans. Deep green foliage; valuable for covering low walls. 20c. each; doz., \$2.00; \$12.00 per 100.

HOP VINE (Hardy)

Golden Leaved. Identical in growth and habit as the Japanese except for foliage, which is bright yellow. 25c. each; doz., \$2.50; 100, \$15.00. Japanese. A rapid grower, with dark green foliage, and bears a pro-fusion of seed-pods suitable for many domestic purposes. Strong pot plants, 15c. each; doz., \$1.25; \$7.00 per 100.

HONEYSUCKLE (Hardy)

Chinese Evergreen (Woodbine). Red, yellow and white variegated flowers; very fragrant; blooms the entire season.

Halliana (Hall's Honeysuckle). Flowers, pure white, turning to yellow; fragrant, hardy evergreen; flowers from June until frost.

Heckrothi. Deep red flowers with yellow throat.

Variegated (Aurea Reticulata). Foliage beautifully mottled yellow and green; flowers white and yellow.

Red Coral or Scarlet Trumpet. Bright red, trumpet shaped flowers. Bloom all summer. Extra strong plants.

Price of any of the above, strong plants, 30c. each; doz., \$3.00; \$18.00 per 100. Extra strong plants of the above, 50c. each; doz., \$5.00.

JASMINES (Hardy)

Splendid for sheltered positions. They will winter outside as far north as New York, if protected somewhat.

Nudiflorum. Fragrant yellow flowers before the foliage makes its appearance.

30c. each; doz., \$3.00.

Officinale. Pure white; very fragrant.
30c each; doz., \$3.00.

KUDZU VINE (Pueraria Thunber-lgiana) (Hardy) (See illustration on page 175)

It is often remarked, that this vine grows a foot a day, and those who have seen it, would believe that this has not been exaggerated. Makes a dense covering, exceedingly attractive. Towards the end of summer it produces small, rosy-purple flowers. Extra large plants, 30c. each; doz., \$3.00; \$20.00 per 100.



Climbing Hydrangea (See page 177)

MOON VINES (Annuals, except where noted) (Ready April 15th)

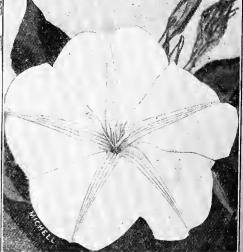
These favorite climbers should be planted by every one, who wants a quick growing vine. The Noctiflora (White) and Learii (Blue) types have large foliage and make dense shade. All of them are suited for climbing wood and wire fences, lattice and trellis work and pillars.

(Blue Dawn Flower). Enormous blooms of intense violet shade, frequently 4 or more inches in diameter, producing at times as many as 300 flowers on a stalk. Imagine a beautiful blue Morning-Glory and multiply the size several times and you have a slight conception of the Blue Moon-vine. Planted in amongst white variety, the effect is charming. The Learii type blooms all day. Extra strong plants, 25c. each; doz., \$2.00.

Noctiflora. A pure white variety blooming toward evening and in the forenoon; the flowers are frequently 6 inches in diameter. The vines are not hardy, but on account of their great beauty, it pays to plant them each season. Extra strong plants, 25c. each; doz., \$2.50; \$17.50 per 100

Paniculata (Hardy). Beautiful rose-pink flowers, large in size. Extra strong plants, 25c. each; doz., \$2.50.

Special Offer. —One each of the above Moon Vines for 60c., by express collect.



Ipomea Noctiflora (White Moon Flower)

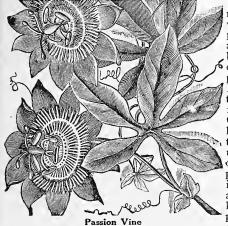
MICHELL'S CLIMBING PLANTS AND VINES

MADEIRA OR MEXICAN VINE (Hardy)

The tubers if planted deep and protected during the winter are hardy. The leaf is very deep green, and grows very dense; the flower is very small, white in color. Strong roots, 5c. each; single roots mailed free; per doz., 5oc. (by mail, 6oe. doz.); \$3.00 per 100 by express.

PASSIFLORA or PASSION VINE

(Tender Perennial)



In our grandmothers' time this was the most important of vines. and could probably be found in most every garden where plants were grown. It is exceedingly attractive, both for foliage and flowers. Climbs best on a trellis and produces continuously from July until frost, richly colored flowers. plants can be taken up in the fall, cut back and wintered over, if kept in a light cool place and watered oc-

Passion Vine casionally.

Pfordii. This is probably the best of the Passion Vines; even real small plants produce flowers. They are shaded rich blue, edged rose pink. Extra strong plants, 30c. each; doz. \$2.50.

POLYGONUM (Hardy)

Auberti. Remarkably strong grower, which in a short time covers a large area, growing at times as much as 12 feet in one season. The white flowers are produced in great abundance on the terminals of the vine, in late summer and autumn. Extra strong plants, 75c. each; doz., \$8.00.

Baldschuanicum. A valuable addition to the hardy climbers. This variety is a strong grower and somewhat shrubby in nature. From June until autumn it is covered with panicles of light pink flowers. Extra strong plants, 75c. each; doz., \$7.50.

SCHIZOPHRAGMA (Hardy) (Climbing Hydrangea)

Hydrangeoides. In reality this is a very old variety of Climbers, having been introduced almost 50 years ago from Japan. Large white flower trusses somewhat resemble a Hydrangea and produce a remarkable display when in full bloom during July and August. It is adapted for clinging to any rough surface and particularly suited for twining about tree trunks. It is a vine that ought to be in every collection of climbers. Our stock of plants is of extra fine quality. \$1.00 each; per doz., \$10.00.

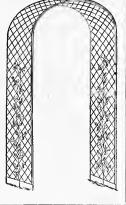
TRELLIS WORK FOR CLIMBING VINES OF ALL KINDS

On page 221 we list a full line of wood and wire trellis, stock sizes. Arehes and Upright Wire Work is supplied to order promptly.

GALVANIZED WIRE ARCHES AND TRELLIS WORK

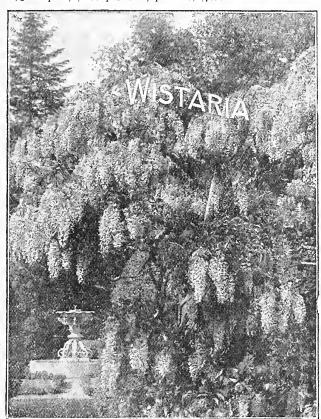
These can be furnished on short notice any height or any width. Made of extra heavy galvanized diamond mesh wire with strong frames to prevent sagging.

Price 30c. per square foot.



SWEET PEA PLANTS (Annual)

We can supply these ready about April 1st to 15th in Spencer Orchid varieties in the following shades: Blush white, pure white, light blue, dark blue, light pink, dark pink, light scarlet, deep scarlet. Sweet Peas started in pots set out at the above time usually flower by Memorial Day in the latitude of Philadelphia. No order executed for less that 1 doz. P. G. Sweet Pea plants, unless in conjunction with other plants; in planting they should be set out about 12 inches apart in rich soil. Grown in 2½ in. pots, \$1.00 per doz; per 100, \$7.00.



WISTARIA (Hardy)

No plant, vine or shrub can equal the display made by the Wistaria. It flowers in the latitude of Philadelphia during May. A strong developed vine produces hundreds of flower panicles, while no foliage is visible until after the flower is faded. The graceful effect it produces is hard to describe, the blue variety being especially attractive. They thrive best in the sun, and with an application of cow manure once or twice a season they respond marvelously by an extra growth and an abundance of flowers.

Chinensis (Chinese Wistaria). Pale blue, somewhat fragrant. Strong plants, 6oc. each; doz., \$6.00.

Chinensis Alba. A beautiful white flowering form of the

Chinensis Alba. A beautiful white flowering form of the above. Looks especially attractive when intermingled with the blue variety. Strong plants, 6oc. each; per doz., \$6.00.

STANDARD OR TREE WISTARIA

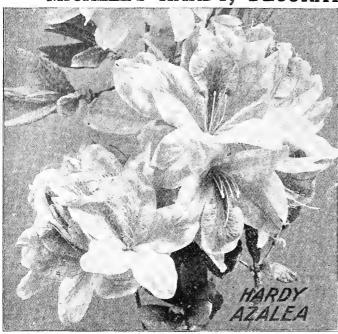
Our grower in Europe has sent us a shipment of these in both Blue and White varieties. This type of Wistaria develops into a beautiful dwarf tree, which is umbrella-shaped. At times they have been known to produce 500 flower panicles; in fact, their beauty is so wonderful, when in bloom, that it is really hard to describe.

White or Blue. Pot-grown plants; 5 to 6 foot stems. \$3.00 each.; doz., \$30.00.

ABOUT WISTARIAS

On account of these plants remaining in a dormant condition until quite late in the spring we find it has been in our customers' interests to not ship them too early. Experience has proven that May 1st to 15th is the proper time to begin shipping such stock, if customers insist on earlier shipment we can do so at their risk.

MICHELL'S HARDY, DECORATIVE AND FLOWERING SHRUBS



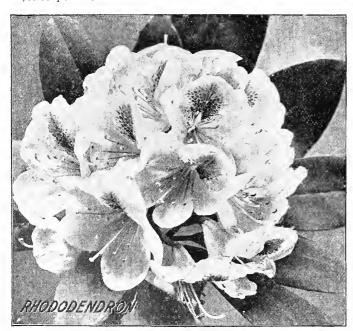
Azalea Moll!s

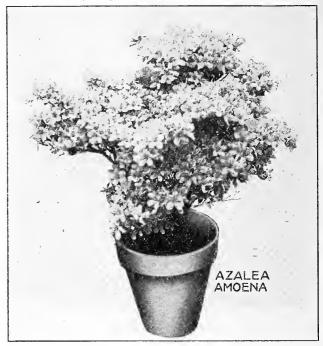
Hardy Azaleas

Amoena. Dwarf bushy shrub; covered in April and May with masses of purplish-red double flowers, which last from 3 to 4 weeks. The foliage remains all winter, when it takes on a coppery-red shade. 12 inch diameter heads. \$1.00 each; per doz, \$10.00; \$80.00 per 100.

Anthony Koster. A type of the Mollis variety, with exceptionally large flowers of a golden orange. The color is very bright and the sort is considered the best of the Mollis variety. ties: flowering in May, plants with 12 to 15 in heads. \$1.25 each; per doz., \$12.00, \$90.00 per 100.

Mollis. Of dwarf bush-like habit, with light green leaves. The flowers are as large as the Azaleas, usually seen in greenhouses. There are but three colors of it, yellow, orange and red, it blooms about the middle of May. When massed in a large bed they create a particularly beautiful spot; mixed colors. Plants, 12 to 15 buds. 85c. each; per doz., \$8.00; \$60.00 per 100.





HARDY AZALEAS (Continued)

Pontica Bouquet de Flore. Salmon rose, semi-double, 18/24 inches. \$1.25 each; doz., \$12.50.

Pontica Coccinea Speciosa. Brilliant salmon, shaded darker,

18/24 inches. \$1.25 each; doz., \$12.50.

Pontica Davisi. Pure white, free bloomer, 18/24 inches. \$1.25

each; doz., \$12.50.

Pontica Nancy Waterer. Indian yellow, very attractive, 18/24 inches. \$1.25 each; doz., \$12.50.

Hinodegiri. A much more brilliant variety than Amoena. Grows 2½ feet high and is literally smothered with masses of bright, fiery red single flowers in April and May. Strong claste 18 in diameter. \$1.50 each; doz., \$15.00; 100, \$100.00.

plants, 18 in diameter. \$1.50 each; doz, \$15.00; 100, \$100.00. Hinamayo. Delicate deep pink flowers This looks well planted among the Amoena and Hinodegiri varieties. 18 inch; wellbudded plants. \$1.25 each; doz., \$12.00; \$80.00 per 100.

Japonica Alba. Pure white large flowers, very showy among

bright colored flowering shrubbery. Strong 18 inch plants. \$1.25 each; doz., \$12.50; \$80.00 per 100.

J. C. Van Tol. A type of the Mollis variety, but much larger,

flowering bright red; a fine contrast when planted with A. Koster variety; plants with 20 to 25 buds. \$1.00 each; doz,

Yodogama. In May this variety is a mass of lavender pink; flowers very distinct; plants, strong 18 inch stock. \$1 00 each; doz, \$10.00; \$75.00 per 100.

Hardy Rhododendrons

They require good garden soil. It is advisable to protect with leaves or brush during winter. When Rhododendrons have finshed blooming, the old flower should be cut off; this ensures blooms the following season.

Album Elegans. Pure white, gigantic flower heads.
Caractacus. Crimson or blood red, a handsome shade.
Prof. Chas. Dickens. Red, a shade between light and dark.
Chas. S. Sargent. Rich crimson.

Everestianum. Lavender, very delicate and of great beauty. Fastuosum (Double). Lavender; very large flower heads.

F. D. Godman. Crimson Gen'l Grant. Aniline red

*James MacIntosh. Rich scarlet.

Kettledrum. Deep red or rich purplish crimson.

*Lady Grey Egerton. Mauve

Roseum Elegans. Rose pink, large flowers. Price of 18 to 24 inch plants, \$1.75 each, per doz., \$15.00; \$100.00 per 100.

\$24 to 30 inches high, \$3.00 each; doz, \$30.00; \$200.00 per 100. *Varieties marked thus can be supplied in 18/24 in. plants only.

Amygdalus (Flowering Almond)

Rubra Flore Pleno Nana. Erect, slender branches, which are covered in May with small, very double, fragrant, pink flowers. Strong plants 11/2 to 2 feet. 75c. each; doz., \$7.50.

Amorpha (False Indigo)

Fruticosa. A strong growing shrub, from 6 to 7 feet high, with terminal panicles of pretty, odd and attractive bluish-purple flowers in July. Desirable on account of the unusual color of the flowers and attractive compound leaves. 40c. each; doz., \$4.00.

Andromeda (Lily of the Valley Shrub)

Japonica. Deep evergreen foliage, with drooping spikes of white flowers. \$1.25 each; doz., \$12.50.

Altheas (Rose of Sharon)

These thrive almost anywhere, producing their bloom from July till September.

Alba Plena. Pure white; double. Atropurpurea Plena. Double purple. Coerulea Plena. Double blue.

Duchess de Brabant. Double; deep red.

Grandiflora Superba. Double blush with crimson centre.

Totus Albus. Single; pure white.
Plants, 2 to 3 feet high. 35c. each; doz., \$3.50; \$25.00 100.

Berberis (Japanese Barberry)

Thunbergii. A good, hardy plant of low, dense growth for lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls, a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

1 to 1½ feet (plant 8 to 10 inches apart) .\$1.75 \$12.50 \$100.00 1½ to 2 feet (plant 10 to 12 inches apart) . 2.00 15.00 120.00 2 to 2½ feet (plant 12 inches apart) 4.00 27.50 200.00 Atropurpurea (Purple Barberry). Of erect growth, with purplish foliage. Small yellow flowers followed in the autumn with red berries, 2½ to 3 feet. 35c. each; doz., \$3.50; \$25.00

per 100.

Buddleya (Butterfly Bush)

Variabilis Magnifica. Flowers continuously all season. The flower racemes are composed of many little blossoms in the shape and color of lilacs. 3 inch pot plants, 25c. each; \$2.50 per ·doz.; \$15.00 per 10o. 4 inch pot plants, 5oc. each; doz., \$5.00; \$35.00 per 100.

Veitchiana. Deeper in shade of lilac color than Magnifica; strong young plants. 25c. each; doz., \$2.50; \$15.00 per 100.

Calycanthus (Sweet Shrub or All Spice)

Floridus. Chocolate-colored double flowers, with a peculiar, agreeable odor. Blooms in June. 35c. each; doz., \$3.50.

Cerasus (Flowering Cherry)

Double White. Numerous white flowers conceal the branches

in May; 4 to 5 feet. \$1.50 each. **Double Pink.** Beautiful shade of pink; splendid for lawn decoration; 3 to 4 feet. \$1.75 each.

Cytisus (Golden Chain)

Laburnum. A large shrub with shining green leaves and long, drooping racemes of yellow flowers, which appear in early summer; 3 to 4 ft. plants. 6oc. each; doz., \$6.00.

Clethra (Sweet Pepper Bush)

Alnifolia. Of low and dense growth; has numerous spikes of small white fragrant flowers appearing in July; desirable for moist places or along water edges. 35c. each; doz., \$3.50.

Cercis (Judas or Red Bush)

Canadensis. A tall slender growing shrub, developing event-ually into a large tree. Very early in the spring the leafless branches are covered with delicate deep pink flowers; 2 to 3 foot plants. 50c. each; doz., \$5.00.

Chionanthus (White Fringe)

Virginica. In May and June the tree is covered with long, fluffy panicles of fine white bloom. Strong plants; 2 feet. 40c. each; doz., \$4.00.

Cornus (Dogwood)

This plant is so well known, that it hardly needs description. The flowers appear before the foliage in May. In the autumn takes on a rich crimson shade.

Florida (White Flowered Dogwood). Strong plants; 2 to 3 ft.

50c. each; doz., \$5.00.

Rubra (Pink Flowered Dogwood). 2 to 3 ft. \$1.25 each; doz., \$12.50.

Exochorda (Pearl Bush)

Grandiflora. A profuse bloomer in the early summer. Flowers star shaped, sometimes an inch in diameter; pure white. 2 to 3 feet. 35c. each; doz., \$3.50.

Eleagnus (Japanese Oleaster)

Longipes. A desirable nearly evergreen shrub of medium height, with light green foliage, which is silvered on the under sur-face. The orange-scarlet colored berries are very attractive during late summer, 35c. each; doz., \$3.50.

Erica (Heath)

This is a species of Heather, which flowers in July, and is a mass of bloom at that time.

Vulgaris. Rosy red flowers. V. Alba. White.

Strong plants of the above, 40c. each; doz., \$4.00.



Deutzia

The Deutzias are among the most useful of our summer flowering shrubs. For planting either individually or in masses they are very attractive. Can be used for cut flowers. Candidissima (Fl. pl.). Abundant racemes of double, pure white

flowers in June, luxuriant foliage and fine habit. 2 to 3 ft. plants. Crenata (Fl. pl.). Double flowers white, tinged with rose, blooming in June; 2 to 3 feet. Plants, 18 to 24 inches.
Crenata Rosea (Fl. pl.). Double flowering white tinged pink.

2 to 3 ft.

Gracilis. Of dwarf, bushy habit. White flower. 18 to 24 inches. Lemoinei. Very dwarf and compact growing, with very large flowers of purest white, one of the best. 2 ft. plants. Price of the above, 35c. each; doz., \$3.50.

Euonymous

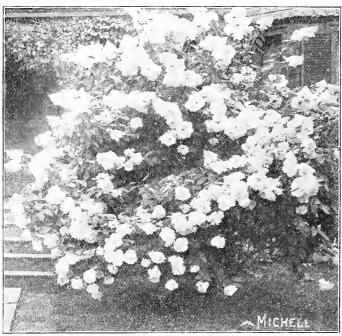
Japonica Aurea Var. Beautiful deep green and yellow margined foliage, a splendid evergreen. 12 to 15 inch plants. 75c. each; doz., \$8.00.

.Forsythia (Golden Bells)

Bright golden yellow, star-shaped flowers burst into bloom just as winter is leaving and while the bush is otherwise bare. In fact, when in flower, nothing else but bloom can be seen. Fortunei. Erect growing with dark green foliage; strong plants.

3 to 4 ft. Suspensa. Of graceful drooping habit, can also be trained for covering arches and trellis work. Plants, 3 to 4 ft.

Viridissima. Of erect growth and spreading branches, narrow glossy foliage; one of the first to bloom. 3 to 4 ft. plants. Price of Forsythias, 35c. each; doz., \$3.50.



Hydrangea Paniculata Grandiflora

Hydrangea

Arborescens Grandiflora Alba. (Snowball Hydrangea). The snow-white blooms are of the largest size. Coming into flower early in June and lasting until late August. Is more hardy than any other sorts and especially suited to plant in shaded places. 2 ft., 35c. each; \$3.50 doz.

Paniculata Grandiflora. The large panicles of white flowers are at their best during August; later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong bush form 2 to 3 ft. plants, 30c. each; per doz., \$3.00. Extra strong stock, 3 to 4 ft. 50c. each; per doz., \$5.00.

Paniculata Grandiflora (Standard or Tree Shaped). These are fine, planted as individual specimens in the lawn or in the center of beds, containing other plants. Stems, 2 to 2½ feet long with shapely heads. 85c. each; per doz., \$9.00.

Hydrangea (Otaksa Varieties) (see page 129)

Kalmia (Mountain Laurel)

For planting in conjunction with Rhododendrons and Evergreens, the Laurel fills an important part. Foliage is evergreen and about May and June, according to locality, the plant is a mass of flowerheads, resembling somewhat the Rhododendron.

Latifolia. A delicate pink, changing to white as they expand. Grows best in woodland or under trees. Strong plants, 18 to 24 inches. \$1.25 each; per doz., \$12.00; \$85.00 per 100.

Kerria (Globe Flower or Corchorus)

Shrubs with light green branches. Does well in any soil, in shaded or open locations flowering in May and June.

Double-flowered. Of medium size; double yellow flowers. Plants, 2 to 3 feet high. 35c. each; per doz., \$3.50.

Lonicera (Honeysuckle)

Morrowi (Japanese Bush Honeysuckle). An open bush with irregular branches. The foliage is dark green with small white flowers, which appear during May. During the late summer and early autumn the plant is covered with bright red berries. Plants 2 to 2 feet

red berries. Plants, 2 to 3 feet.

Tartarica (Tartarian Honeysuckle). An old-fashioned useful shrub with small fragrant flowers, some pink, others crimson and blush. These are followed by attractive reddish-orange berries. Plants, 2 to 3 feet.

Price of the above Loniceras 35c. each; doz., \$3.5o.

Philadelphus (Mock Orange or Orange Blossoms)

A shrub that can always be depended upon to give splendid satisfaction. No insects bother it, and in May and June, the bushes are literally covered with flowers.

Coronarius. Handsome foliage and beautiful white flowers, quite fragrant. Plants, 2 to 3 feet.

Grandiflorum. A tall growing white variety, robust grower. Plants, 2 to 3 feet. 30c. each; doz., \$3.00.

Lilac (Syringa) (see illustration on page 181)

Description of this is hardly necessary to be given, as this is favorably known to most everyone.

Pot-Grown Plants Suitable for Forcing.

Chas. X. Large reddish purple with heavy trusses.

Marie Le Grey. Single, pure white, of wonderful fragrance.

Marie Lemoine. Double pure white.

Mme. Casimir Perier. Double, pure white, with large individual flowers of exquisite odor; grand for cutting.

President Grevy. Large panicles; double blue flowers; very

Simon Mardner. Large, compact trusses; bright blue.

Souvenir de Louis Spaeth. Deep purplish-red flowers in compact trusses.

Price of any of the above pot-grown Lilacs in extra strong fine plants, \$1.50 each; per doz., \$15.00.

Field-Grown Plants. (See above for description.)

Charles X, Marie Le Grey, Mme. Casimir Perier, President Grevy, Souvenir de Louis Spaeth, Marie Lemoine. Extra strong plants of the above, field grown, 50c. each; doz.,

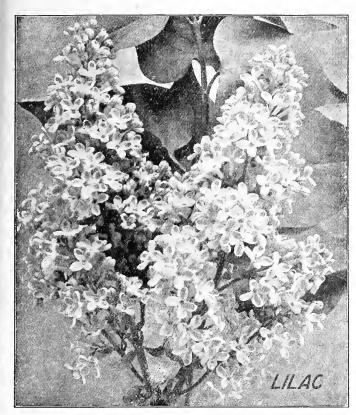
Vulgaris. Common purple, sweet-scented Lilac. 18/30 inch. 35c. each; doz., \$3.5o.

Vulgaris Alba. Pure white type of the above, but more fragrant. 18/30 inch, \$5c. each; doz., \$3.50.

White Persian. Very early flowering; pure white, sweet scented. 18/24 inch. 4oc. each; doz., \$4.00.

Persian. Early purple flowering; very profuse. 18/24 inch. 40c. each; doz., \$4.00.





For List of Lilacs see opposite page

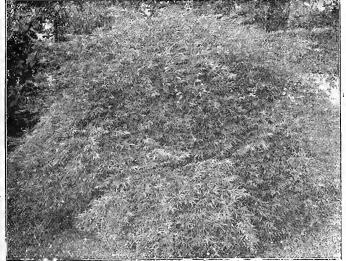
Prunus

Pissardi (Purple-leaved Plum). A tree-like shrub with dark purple leaves that keep their lustrous colored foliage right up till frost, having small pinkish white flowers in early spring. Plants, 2 to 3 feet. 35c. each; doz., \$3.50.

Triloba (Double-flowering Plum). Double pink flowers in April. The plants are 2 to 3 feet high. 40c. each; doz., \$4.00.

Pyrus

Japonicus (Japan Quince). This shrub is a beautiful sight, when covered in the early spring with cherry-red flowers about the size of an apple blossom. After the flowers fall, many of them set fruit, which is edible, making the finest Quince Jelly for preserves. This plant can also be used for hedge effects, and on account of the thorny nature it is a good barrier against cats, dogs and other animals. Extra strong plants, 2½ ft. 35c. each; doz., \$3.5o.



A Pot Grown Japanesc Dissectum Maple can develop into a beautiful specimen like this for the lawn.

Maples (Japanese) (Acer Japonicum) (Pot Grown

Hardly anything in plants or shrubs is more attractive than these, especially in the early spring, just after they burst into foliage. For planting in groups, in shaded positions or even in the full sun, they are especially adapted, or as individual specimens on the lawn or in borders they are fine.

Japonicum Atropurpureum. Red leaved Japan Maple. Very fine foliage, which becomes more intense red, as the season advances, at times these revert again in the growing season, but as the plants become older, the fixed color of red becomes more permanent. Extra strong plants, in pots, 18 to 24 inches high, \$1.25 each.

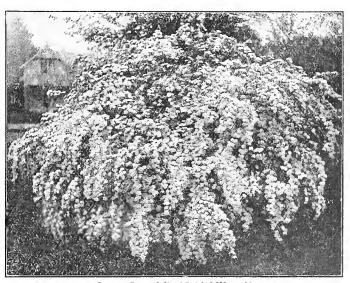
Japonicum Dissectum. Dark red, very fine cut fernlike foliage; the plants have a low, spreading habit. Strong plants, in pots, 18 to 24 inches, \$1.25 each.

Aureum. A delicate shade of greenish yellow, which varies somewhat during the season. This, massed amongst others with dark foliage is a treat for the eye. Extra strong plants, in pots. 12 to 18 inches, \$1.25 each.

Rhus (Purple Fringe or Smoke Tree)

In July this is made very attractive, because of the Cotinus. light, airy or mistlike panicles of dark purplish blooms. Strong plants, 21/2 feet, 40c. each; doz., \$4.00.

Rhododendrons (See page 178)



Spirea Prunifolia (Bridal Wreath)

Spirea

This group embraces a wide variety, so much so that frequently one might suppose that the plants belong to a different family, from this it can be seen that a collection of them will

make an effective variety.

Anthony Waterer. Of dwarf, dense habit, bearing a profusion of crimson flowers. 18 to 24 inches, 35c. each; per doz., \$3.50. Opulifolia Aurea. Bears an abundance of fragrant white flowers

in clusters during June; the leaves are golden in spring but darken as the season advances. Extra size, 4 feet, 35c. each; doz,, \$3.25

Prunifolia (Bridal Wreath). The pretty double white flowers are all along the almost leafless stem about May 1st just as the leaves are budding. Splendid plants, 3 feet, 35c. each; per doz., \$3.50.

an Houttei. This handsome species is the most desirable. The exceedingly beautiful white flowers appear in May in great Van Houttei. profusion, a strong, robust grower. It is of compact habit and a beautiful ornament for the lawn. Plants, 2 to 3 feet, 3oc. each; per doz., \$3.00.

Thunbergii. A graceful bush, bearing in April and May in-numerable small, white flowers with dainty foliage. Large

plants, 2½ feet, 35c. each; doz., \$3,5o.

Reevesii Flore Plena. Double flowers in May and June, which last several weeks longer than most other varieties, making one of the best flowering shrubs. Pure white, 21/2 feet, 35c. each; doz., \$3.50.

Sambucus

Aurea (Golden Elder). Attractive by its golden foliage and desirable to mix with other shrubs to relieve the sombreness

of green. 3 ft. 35c. each; doz., \$3.50.

Racemosus (Red Berried Elder). A robust growing shrub of easy cultivation. Attractive throughout the season. The white flowers, which appear in the spring, are followed by bright red berries in autumn. 2 to 3 ft. 35c. each; doz. \$3.50.

Symphoricarpus

Racemosus (Snowberry). Small red flowers are succeeded by many white berries, remaining on the plant through half the winter; strong plants, 2 ft. 35c. each; doz., \$3.50.

Staphylea (Bladder Nut)

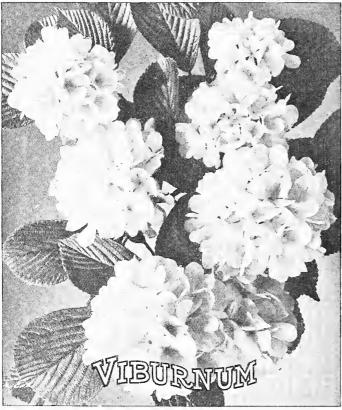
Colchica. A tall growing shrub, flowering in May; the pure white flowers are very attractive and fragrant, produced in clusters. Extra strong plants. 6oc. each; doz., \$6.0o.

Tamarix

Tall growing shrubs of irregular shape, with fine feathery The branches are covered with small delicate flowers, and even, when not in bloom, the bush is attractive.

Africana. Pink flowers, blooming in May. 2 to 3 ft. Hispida Aestivalis. Pink flowers, borne in July and August, when other shrubs are out of bloom. 2 to 3 ft.

Gallica. A strong growing variety, bearing light pink flowers. 4 ft. Price of Tamarix, extra strong plants, 35c. each; doz., \$3.50.



Viburnum

Carlesi. A new Japanese variety of a compact bushy habit, bearing, sweet-scented white flowers, somewhat after the style of a Bouvardia. This is a splendid addition to the Viburnums on account of its great beauty and its exquisite odor. It should be included in every collection of flowering

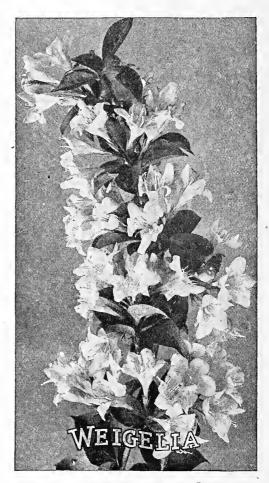
shrubs. 75c. each; doz., \$8.00.

Plicatum (Japanese Snowball). A desirable shrub. Should be

in every garden or on the lawn; perfectly hardy, blooming in June. Extra fine plants, 2 to 3 feet. 40c. each; doz., \$4.00. Viburnum Opulus Sterilis (Guilder Rose or Snowball). Of spreading habit, bearing flat clusters of single white flowers, which afterwards produce brilliant red berries, which hang to the plant all winter; very decorative. Strong plants, 3 ft. 35c. each; doz., \$3.50.

Vitex (Chaste Tree)

Agnus Castus. Attractive, graceful shrub, growing about 6 feet high. Towards end of summer it produces spikes of lilac shaded flowers 3 to 4 ft. 35c. each; doz., \$3.50.



Weigelia

Amabilis. A pink flowering variety, in bloom during June and July; extra strong plants, 2 to 3 feet. 35c. each; doz., \$3.50. Candida. Flowers abundantly in June and July, additional bloom is also shown during the autumn months. The tubeshaped flowers are pure white; fine for cutting. Plants, 2 to

Eva Rathke. Of erect form and vigorous habit. The deep carmine-red flowers are the best of the red-flowering sorts, 2 to 3 ft. 35c. each; doz., \$3.50.

3 feet. 35c, each; doz., \$3.50.

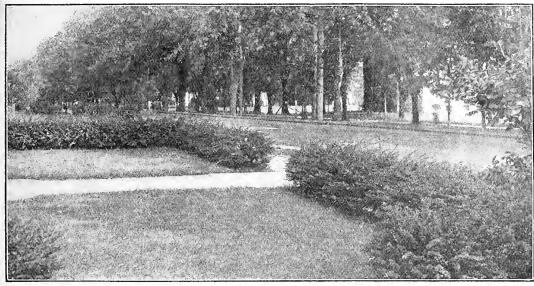
Rosea. Fine rose-colored flowers, considered one of the finest of flowering shrubs. Blossoms in May. Plants, 2 to 3 feet. 35c. each; doz., \$3.50.

SPECIAL ATTENTION PLEASE

The quality of our flowering shrubs is splendid, it must not be compared with small I-year-old plants, that are usually sent out on orders through the mails, what we offer will give an effect the first year after planting and is well worth any difference in cost over the smaller plants.

SHRUBS should be sent by express or freight wherever possible.

MICHELL'S CHOICE THRIFTY HEDGE PLANTS



A Hedge of Berberis Thunbergii-Nothing in the Hedge Plant Line Equals it for Grace and Beau

CALIFORNIA PRIVET

Exceedingly beautiful; leaves deep green, bright and very glossy. Especially adapted for hedges at the sea-shore; easily transplanted. Unlike a fence which needs painting, repairing, etc., and then never looks well. This hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in its beauty with each successive year, and the possibilities are amply displayed at some of the model suburban home grounds in and around Philadelphia. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. To establish a good hedge, the proper foundation is necessary. The trench should be thoroughly manured, and received in addition a liberal application of Michell's Pure Bone Meal and both worked in with a spade. Plants should be set 12 inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each other, this practically places them 6 inches apart, which is desirable to get a quick dense growth. Plant from October 1st to November 15th and from March 15th to May 15th. Ask for our special free circular on California Privet.

Height 100 1000 Doz. I-yr.-old, 18 to 24 in., 3 to 4 branches. \$0.75 2-yr.-old, 24 to 30 in., 5 to 8 branches. 1.00 2-yr.-old, 30 to 36 in., 8 to 10 branches. 1.25 \$3.50 \$30.00 5.00 42.00 6.50 52.50

NOTE-Our privet is especially fine and will give splendid satisfaction.

GOLDEN OR VARIEGATED LEAVED PRIVET

Like the California variety, but each leaf is margined and blotched golden yellow, giving it, from a distance, a striking appearance. It is quite new and the stock is limited, when available it will become very popular, we recommend it especially for placing among shrubbery or for planting on the lawn, the con-trast between the grass and golden foliage is beautiful.

Bushy Plants, 15 to 18 in. high, 30c. each; doz., \$3.00; 100, \$17.50.

BOXWOOD (Buxus suffruticosa.) (For Edging)

In Europe the Boxwood edging plays a very conspicuous part in every garden. There is something about it which adds a homelike feeling to the surroundings. At times, especially in the morning, or after a rain, it seems to permeate the air with a distinct, pleasant odor. A planting lasts a lifetime. Many Boxwood enclosures, planted a hundred years ago, are in existence to-day. It grows rather bushy, instead of in height. It should be set about 4 inches apart and trimmed to shape according to its growth.

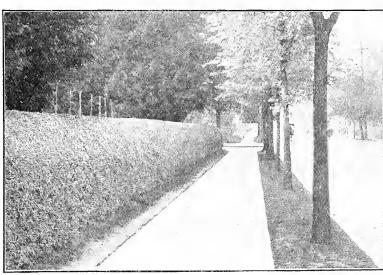
4 to 6 inches, \$1.20 per doz.; per 100, \$7.00; \$60.00 per 1000. 6 to 8 inches high, 30c. each; doz., \$3.00; \$20.00 per 100. See also page 184 for other Boxbush.

BERBERIS THUNBERGII

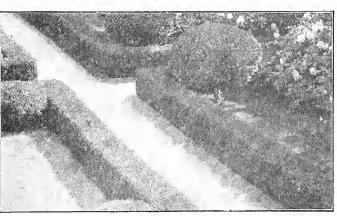
(Japanese Barberry)

A good, hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush, which is not embodied in any other hedge plant. It is a brilliant light green from early spring to It is a brilliant light winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a pro-fusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

ity	Price of Berberis											
Ity	Each	Doz.	100	1000								
	\$0.25	\$1.75	\$13.00	\$100.00								
	.35	2.25	16.00	125.00								
	.50	4.50	30.00	210.00								

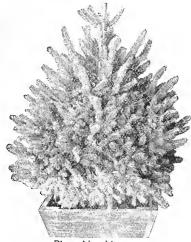


A Privet Hedge is Much More Attractive than the Best Fence



Boxwood Edging Adds to a Garden Charm and Beauty that Cannot be Obtained with Any Other Plant

MICHELL'S DECORATIVE EVERGREENS, Etc.

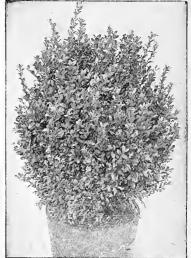


Picea Alcockiana

SMALL EVERGREENS (Ready after April 15th)

These can be safely transplanted at any time during spring, summer or autumn months; they are grown in baskets and thoroughly established. For window or porch box and massing effects in beds or borders, they are quite an attraction. For window garden effects, either in summer or winter, they make a eity dwelling look cozy and inviting.

Abies Concolor (Colorado Fir). 18 to 24 in\$1 Abies Nordmanniana (Nordman's Fir), 18 to 24 in Juniperus Pfitzeriana. 18 to 24 in	.75
Jumperus Virginica Gladea (Blue Cedar) 24 m 1	75
Juniperus Japonica Aurea (Golden Japan Cedar). 18 in. 1	.75
Picea Alcockiana (Alcock's Spruce). 18 to 24 in. 1	75
"Inversa (Weeping Spruce). 18 to 24 in I	
inversa (weeping Spruce). 18 to 24 m I	75
" Pungens Glauca Kosteri Compacta (Blue	
Spruce). 18 to 24 in	2.50
Retinospora Filifera. 18 to 24 in	75
" Obtusa Gracilis 18 to 24 in	.73
Obtasa Gracins. 10 to 24 m	50
" Plumosa Aurea (Golden Japan Cypress).	
18 to 24 in	.75
Thuja Lutea (Golden Arbor Vitae). 18 to 24 in. 1	
	.,.



Untrimmed Boxwood

BOXWOOD (Ready after April 15th)

These are fine for planting out as individual specimens in the lawn or along paths and drives. We have imported a large number of these desirable plants in pyramidal form, in natural or untrimmed state, and ball shapes. The untrimmed plants ean be used for hedge effects, as individual specimens in porch or window boxes,

Ball Shaped Boxwood

These are effective for vestibule and garden decoration.

		diametereach	
15	inch	diametereach	3.50

Pyramidal Shaped Boxwood (in Tubs).

$2\frac{1}{2}$	ft.	higheach	\$2.75	4	ft.	higheach	\$5.00
3	ft.	higheach	3.25	5	ft.	higheach	9.00
$3^{1/2}$	ft.	higheach	4.00				

Tree Shaped Boxwood

Attractive when placed along garden walks under pergolas, on verandas, etc. 18 to 24 inch stems, 15 inch head....each \$2.75 18 to 24 inch stems, 18 inch head....each 3.50

Bush Shaped Untrimmed Boxwood. Io inches high, 40c. each; dozen, \$4.25.

12 inches high, 50c. each; dozen, 5.50 15 inches high, 75c. each; dozen, 8.5c 18 inches high, \$1.25 each; dozen, 12.50 8.50.

24 inches high, 2.00 each; dozen, 21.00.

BOXWOOD (For Edging)

Splendid for lining garden walks, driveways, etc. Grows into value and adds an air of refinement not obtained with other hedge plants. Strong plants that will make an immediate effect. 6 to 8 in, high, 30c. each; \$3.00 doz,; \$20.00 100; 4 to 6 in. high, \$1,20 doz.; \$7,00 100; \$60.00 1000.

LARGER EVERGREENS FOR LAWN AND GROUP PLANTING

ABIES-A. Concolor. (Silver Fir of Colorado). Tree of graceful habit; broad, handsome foliage, bluish above silvery beneath. A grand tree, very distinct and exceedingly rare as yet. 2 to 3 ft.. \$4.00; 3 to 4 ft., \$6.00, 5 to 6 ft., \$10.00.

A. Nordmanniana (Nordmann's Silver Fir). Slow growth, hardy, eventually large, dark green, massive foliage, silvery underneath, broad and compact. Valuable for landscape effects or for planting, as a specimen tree. 2 to 3 feet, \$4.50; 3 to 4 feet, \$6.00; 5 to 6 feet, \$10.00.

JUNIPERUS (Juniper)

Juniperus Japonica (Japanese Juniper). A dense bushy grower, with light green and glaucous

foliage. 3 to 4 feet, \$3.50.

J. Japonica aurea (Golden Japan Juniper). Similar in outline and habit to above, with a deep golden coloring that persists even in winter. 10 to 12 inches, \$2.00; I to 2 feet, \$3.00.

J. Hibernica (*Irish Juniper*). A tall, columnar tree, with glaucous green foliage. It is very useful in formal planting, screenings for small yards and cemeteries. I to 2 feet, \$1.00; 2 to 3 feet, \$2.00.

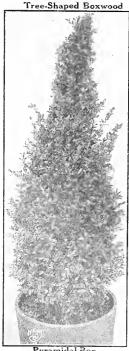
Juniperus Virginiana Glauca (Blue Virginia Cedar). A very ornamental variety, with rieh, silvery-blue foliage; keeps color well throughout the entire year. One of our finest blue trees, 21/2 feet high, \$3.00; 3 to 4 feet, \$4.50.

Juniperus Chinensis Argentea Variegata. An attractive medium-sized variety, with very dense, bluish-green foliage, interspersed with sprays of silvery-white. 3 feet high, \$3.50.

Juniperus Pfitzerianus. A beautiful new form, with graceful dark green foliage. We consider this one of the most substantial and attractive of the new evergreens. 2½ feet high, \$3.50; 3 to 4 feet, \$5.00.



Picea Canadensis (Hemlock Spruce)



Pyramidal Box

MICHELL'S DECORATIVE EVERGREENS

PICEA (Spruce)

P. Alcockiana. A beautiful tree, the underside of the foliage being of a silvery-blue color. An excellent tree for a specimen on the lawn. 2 to 3 feet, \$3.00; 3 to 4 feet, \$5.00.

P. Canadensis (Hemloek Spruce). It is a rapid grower, very hardy and not particular as to soil. If trimmed it becomes dense and bushy, making beautiful hedges. For tall screens, massing, or as individual trees upon large or small grounds, their grace and beauty is unsurpassed. 2 to 3 feet, \$2.50; 3 to 4 feet, \$3.50; 4 to 5 feet, \$5.00.

(Norway Spruce). Rapid growing; does well in most soils, and withstands the bleak, cold winds of winter. It is highly valued for shelters, windbreaks or hedges. 2 to 2½ feet, \$1.00; 2½ to 3 feet, \$1.50; 4 to 5 feet, \$3.00.

P. pungens glauca (Colorado Blue Spruce). It is hardy, vig-

orous, long-lived and upright in habit. For color contrasts in groups of evergreens, or as ornaments to any lawn, they stand

groups of evergreens, or as ornaments to any lawn, they stand without a peer. 1 foot, \$1.50; 2 feet, \$3.00; 3 feet, \$5.00; 4 feet, \$7.50. Select specimens, \$1.0.00 to \$25.00.

P. Kosteriana (Koster's Blue Spruce). In this new variety the color is a deeper, richer blue. It is the highest type of Blue Spruce and one that cannot be too highly recommended. This is one of the finest ornamental evergreens ever introduced, and a specimen or two, of the kind of trees we furnish, on the lawn, adds a dignity and beauty to it hard to describe. I to 1½ feet, \$2.50; 1½ to 2 feet, \$3.50; 2 to 3 feet, \$7.00; 4 to 5 feet, \$10.00 to \$15.00 each.

P. Mughus (Mugho Pine). Low growing, broad spreading tree. It is more of a large Pine bush than a tree, and is

very ornamental. I to 2 feet, \$2.50; 2 to 3 feet, \$5.00.

P. Strobus (White Pine). The most common and quickest-growing of the Pines. Develops into a tall, noble tree whose ruggedness in old age is picturesque and grand. The needles are soft and silvery green; the horizontal branches are in regular whorls about the trunk, making the young trees symmetrical, open pyramids. I to 2 feet, \$1.50; 2 to 3 feet, \$2.50; 3 to 4 feet, \$4.00.

RETINISPORA (Japan Cypress)

Retinispora filifera (Thread-Branched Retinispora). Of pyramidal outline, with horizontal branches and drooping, deep green foliage. 2 to 3 feet, \$3.50; 3 to 4 feet, \$5.00; 4 to 6 feet, \$8.00.

R. filifera aurea (Golden Thread Branched Japan Cypress). A form of Retinispora filifera, the foliage of which is a bright golden color, and the growth somewhat dwarfer. Particularly

valuable for its striking color. 2 feet, \$3.50; 3 feet, \$5.00.

R. obtusa aurea. Similar in character to the preceding, with a clear golden colored foliage that is bright and fresh all the year. 12 to 18 inches, \$3.00; 18 to 24 inches, \$5.00; 3 feet, \$7.50.

R. obtusa nana. A slow-growing dwarf variety that attains great age. It is popular in Japanese gardens, and attracts much attention here. 12 to 18 inches, \$3.50; 18 to 24 inches,

R. plumosa aurea. The most popular and generally useful of all the golden evergreens. In character it resembles R. Is especially ornamental, and the soft plume-like golden foliage is particularly bright in Spring. When pruned it becomes symmetrical and regular. It is low branched, and the golden yellow foliage brushes the green grass in beautiful contrast. A vigorous grower and unsurpassed for color effect in grouping. 12 to 18 inches, \$1.00; 2 to 3 feet, \$2.50; 3 to 4 feet, \$4.00; 4 to 5 feet, \$6.00.

TAXUS (Yew)

Taxus baccata (English Yew). A densely branched, spreading bush, of a dark sombre hue; one of the best evergreens for clipping into artificial forms. 2 to 3 feet, \$3.50; 3 to 4

T. cuspidata (Abrupt Pointed Yew). Japan. Dense, bushy, with somewhat ascending branches and dark green foliage moderate growth. Most hardy of the Yews. Choice and

rare. 12 to 18 inches, \$3.00; 18 to 24 inches, \$4.00.

T. cuspidata brevifolia. A valuable variety from Japan. The branches are spreading and the general aspect is less dense than the common Yew. A perfectly hardy variety in any situation. 1½ feet, \$3.50; 2 feet, \$4.00.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply trees of the best quality in first class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee trees and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of planting.

THUYA (Arborvitae)

Thuya occidentalis (American Arborvitæ). A well known shrub or tree popular for ornamental hedges, rapid growth.

2 to 3 feet, \$1.00; 3 to 4 feet, \$2.00; 5 to 6 feet, \$3.50.

T. o. var. aurea (George Peabody's Arborvita). Color effect a clear, shining golden yellow that contrasts finely with darker evergreens. Of pyramidal habit, grows rapidly; has the brightest and most permanent color of all. 1½ to 2 feet, \$2.50; 3 to 4 feet, \$3.50.

T. o. globosa (Globe Arborvita). Very dwarf and compact; grows naturally into a rounded, almost ball-like form, that makes it useful for grouping, specimens, or vases. The foliage is deep, dark green. 10 to 12 inches, \$1.00; 12 to 18 inches, \$1.50; 18 to 24 inches, \$2.50.

T. o. pyramidalis (Pyramidal Arborvita). The most narrow, columnar-like of evergreen, medium growth, very distinct, light green, compact foliage. Very effective in landscape. 18 to 24 inches, \$1.00; 2 to 3 feet, \$2.00; 3 to 4 feet, \$3.00.

T. orientalis elegantissima (Biota orientalis). Medium size, upright pyramidal torch-like form, foliage flaky, tipped with

yellow, giving it a bright golden color all summer and autumn, and turning bronze brown in winter. 2 to 3 feet, \$2.50; 3 to 4 feet, \$5.00; 4 to 5 feet, \$7.00.

• orientalis (Biota). Chinese

orientalis (Biota). Chinese Arborvitæ. 12 to 18 feet. Bushy and upright in growth and very attractive foliage. 3½ to 4 feet, \$2.50; 5 to 6 feet, \$5.00.

• o. Hoveyi (Hovey's Arborvitæ). Slow growth, pyramidal

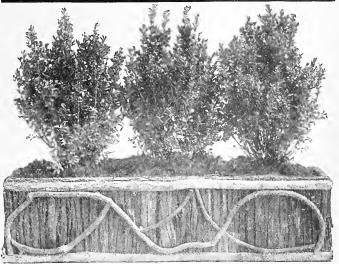
form, golden green tinge. Most ornamental of American Arborvitæs. 18 to 24 inches, \$1.50.

T. o. lutea. A tree of compact, upright growth, with beautiful yellow-tipped foliage that is gracefully suspended by slightly drooping branches. Very useful for specimens, and desirable for contrast in making groups. I to 2 feet, \$2.50; 2 to 3 feet, \$3.00; 4 to 5 feet, \$5.00.

T. o. semper aurea (Always Golden). Dwarf, dense, conical habit. Color golden throughout the year. I to 2 feet \$2.00.

T. o. compacta (Compact Arborvita). Dwarf, dense little evergreen, having light green foliage and neat attractive habit, For beds, borders, cemeteries, or house decoration it is highly popular. 12 to 18 inches, \$1.00; 2 to 21/2 feet, \$2.00.

PLEASE NOTE
We are in a position to furnish promptly all other varieties of Evergreens



Window Box Planted with Boxwood adds an attraction to the dwelling; see offer of Untrimmed Boxwood suitable for this work on page 184. Window Boxes are offered on pages 218 and 219.

MICHELL'S DECIDUOUS SHADE TREES

FOR STREET, LAWN AND GARDEN

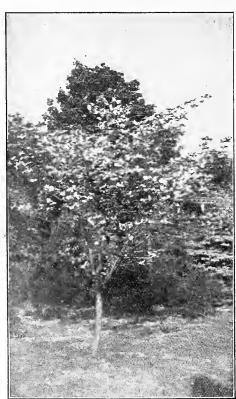
Ornamental shade trees judiciously and tastefully arranged enhance the value of real estate, and are always a safe investment, not alone for their life-giving oxygen, cooling shade, etc., but for beauty, grace of outline, and brilliant autumn coloring. Our stock of shade trees is complete, they are correctly grown, have been many times transplanted and given plenty of room for development of tops. The root system is perfect. We can supply shade trees in almost unlimited quantities. Shipment can be made by freight and express only. No Trees sent C. O. D.

BEECH (Fagus)

- Fagus sylvatica pendula (Weeping Beech). One of the most curious and beautiful lawn trees. Irregular in outline, and has a picturesque beauty peculiar to itself. Its twisted and contorted branches resemble living fountains of foliage, rendering it indispensable as a specimen or in breaking up the regular outline of other trees. 4 to 5 feet, \$5.00; 8 to 10 feet, \$10.00.
- F. sylvatica purpurea (Purple Beech). One of the handsomest lawn trees, of graceful habit, attaining a height of forty to sixty feet. The foliage in spring is a deep purple, changing later in the season to green. Should be closely pruned when transplanted. 4 to 5 feet, \$2.50; 5 to 6 feet, \$4.00.
- F. sylvatica Riversii (Rivers' Purple Beech). The finest of all purple-leaved trees. When a large-growing tree with purple foliage is wanted, nothing equals this. Though it varies in intensity of color from early spring until late fall, the leaves are always a rich shade, sometimes crimson and sometimes almost black. 4 to 5 feet, \$3.00; 6 to 8 feet, \$5.00.

BIRCH (Betula)

- Betula alba laciniata pendula (Cut-leaved Weeping Birch). Beyond a doubt the most beautiful of all Birches. Tall, slender, with graceful drooping branches, silvery, white bark and delicately cut foliage. As a single specimen on the lawn, it is very desirable. 8 to 10 feet, \$2.50; 10 to 12 feet, \$3.00.
- **B. Youngi pendula** (Young's Weeping Birch). A variety found trailing on the ground near Milford, England. When grafted it droops gracefully to the ground in fine, thread-like shoots. One of the most beautiful of the Weeping Birches. 4 to 5 feet, \$4.00; 5 to 6 feet, \$6.00.



Red Flowering Dogwood

DOGWOOD (Cornus) (Selected Specimen)

- Cornus florida rubra (Red-flowering Dogwood). One can hardly form an idea of the character of this strikingly beautiful flowering tree. The flowers, which appear early in May before the leaves, are of a deep rosy-pink color—a decided improvement upon the white variety, possessing the same freedom of flowering, producing a perfect drift of bloom. It is an upright grower, with roundish head, foliage large, velvety, dark green in summer and brilliant crimson in fall. Selected specimens. 2 to 3 feet, \$2.50; 3 to 4 feet, \$3 00.
- C. florida (White-flowering Dogwood). Similar to the redflowering in habit of growth, though attaining larger proportions. When clothed in a mass of conspicuous white flowers in spring it is indeed an object of beauty, and should be included in every collection. 4 to 5 feet, \$1.50; 5 to 6 feet, \$2.00.

ELM (Ulmus)

Ulmus Americana (American Elm). One of the finest street shade trees in the world; its gracefully spreading branches, assuming a graceful arching growth over driveways, afford abundant shade. 8 to 10 feet, \$1.75; 10 to 12 feet, \$2.50.

HORSE CHESTNUT (Aesculus)

Aesculus hippocastanum (White-flowering Horse Chestnut). As an ornamental shade tree, the Horse Chestnut is highly recommended. The flowers are large, white, spotted with purple and produced in large, compact spikes, making a showy appearance. 8 to 10 feet, \$2.00; 10 to 12 feet, \$3.00.

LARCH (Larix)

Larix decidua (European Larch). A conifer with deciduous needle-like leaves; bright green very early in spring, and clear yellow in autumn. 4 to 6 feet, \$2.00.

LINDEN (Tilia)

- Tilia Europaea (European Linden). Medium growth, eventual size very large, leaves smaller and darker than those of the American Linden, in great profusion, forming a dense shade; outline regular and conical. One of the most ornamental of trees, growing in almost any soil, and adapted to lawn or avenue. 8 to 10 feet, \$2.50; 10 to 12 feet, \$3.50.
- T. Americana (Linden, or Basswood). The largest-growing Linden, making a majestic tree. Suitable for parks or streets. When in blossom, its yellow flowers are intensely fragrant. A fine and valuable tree. 8 to 10 feet, \$2.50; 10 to 12 feet, \$3.50.

MAGNOLIA

- Magnolia Alexandrina. Has large, light pink flowers resembling Soulangeana, but blooms earlier. 2 to 3 feet, \$2.50; 3 to 4 feet, \$3.50.
- M. conspicua. In habit of growth similar to Soulangeana, but most esteemed of all on account of its large, pure white flowers, which are produced in great abundance the last of April. 2 to 3 feet, \$4.00; 3 to 4 feet, \$5.00.
- M. Soulangeana. A low spreading tree, covered early in the spring before the leaves appear, with an abundance of large flowers, purple at the base and white in the upper half of the petals, and appearing in such quantities as to completely cover the tree. 3 to 4 feet, \$3.00; 4 to 5 feet, \$5.00.
- M. Soulangeana Lennei. A very showy flower, cup-shaped, crimson-purple outside, and pearl-colored within. Finest of the Purple Magnolias. 2 to 2½ feet, \$4.00.
- M. Soulangeana speciosa. Resembles the Soulangeana in growth and foliage, but the flowers are a little smaller and of a lighter color, fully a week later. 2 feet, \$2.50; 3 feet, \$5.00.
- M. stellata syn. Halleana. A dwarf tree from Japan. Its form is low and shrub-like; its flowers are pure white; the petals are long, narrow, and arranged in double rows, and the fragrance is delicate. It blooms earlier than any other Magnolia, and is very showy. 2 feet, \$2.00; 3 feet, \$5.00.

MICHELL'S DECIDUOUS SHADE TREES (CONTINUED)

MAPLE (Acer) (See also page 181)

Acer dasycarpum (Silver Maple). A tree of very rapid growth and spreading habit; extensively planted for ornament and shade; the silvery foliage rendering it very attractive. 10 to 12 feet, \$1.50; 12 to 14 feet, \$2.50.

A. palmatum Atropurpureum (Japanese Maple). The Japan Maple is unsurpassed for ornamental purposes. The variety offered, Atropurpureum, is the hardiest of colored-leaved forms, and is more largely planted, the blood-red foliage making it a strikingly handsome and conspicuous tree. Trees are dwarf in habit, seldom attaining a height of more than a few feet; compact and regular. It is hardly possible to convey a correct idea of their peculiar beauty. 2 feet, \$1.50;

A. platanoides (Norway Maple). One of the finest park, street, shade or lawn trees in America; of rounded form, compact habit, stout, vigorous growth, with large, handsome broad leaves of deep rich green which remain on the trees until late in the season. Decidedly one of the handsomest shade trees. 8 to 10 feet, \$1.50; 10 to 12 feet, \$2.50; 12 to 14 feet, \$4.00

A. platanoides Schwedleri (Schwedler's Purple-Maple). beautiful variety, with the young shoots and leaves of a bright purplish or crimson color, which changes to purplish-green on the older leaves. One of the most valuable trees. 8 to 10 feet, \$3.00; 10 to 12 feet, \$4.00.

A. pseudo-plantanus purpurescens (Purple-leaved Sycamore). Leaves deep green on upper surface, purplish-red beneath, producing a beautiful color effect when leaves are in motion. Fine for lawns or for grouping with other foliage trees. 8 to 10 feet, \$2.00; 10 to 12 feet, \$3.00.

A. saccharinum Wieri (Wier's Cut-leaf Silver Maple). A remarkably beautiful and very graceful tree, of weeping habit and abundance of deep green cut foliage. Tree a rapid grower and succeeds well on all soils. No other tree approaches it for beauty and gracefulness. As a single specimen on the lawn it cannot be surpassed. 8 to 10 feet, \$2.00; 10 to 12 feet, \$3.00.

A. saccharum (Sugar, or Rock Maple). Its upright habit of growth, dense shade and adaptability to different soils have rendered it one of the most extensively used. The autumn effect of the foliage is particularly handsome. 10 to 12 feet, \$2.00; 12 to 14 feet, \$4.00.

MOUNTAIN ASH (Sorbus)

Sorbus Aucuparia (European Mountain Ash). A handsome native tree; beautiful when in fruit or flower. In autumn and early winter the tree is clothed with large clusters of red berries, rendering it very conspicuous. 8 to 10 feet, \$2.50.

MULBERRY (Morus)

Morus alba pendula (Teas' Weeping Mulberry). The most graceful and hardy weeping tree in existence. Wholly unlike anything heretofore introduced. Forms a perfect umbrellashaped head, with long, slender, willowy branches, drooping to the ground. It has beautiful foliage, is wonderfully vigorous and healthy; is one of the hardiest; safe and easy to transplant. 2 year heads, \$3.50; large specimens, \$5.00.

OAK (Quereus)

Quercus coccinea (Scarlet Oak). This is perhaps the most esteemed of all Oaks. Not only does it make a large, well-shaped tree, but in the fall the foliage changes to a brilliant scarlet. It makes a fine street or avenue tree. 7 to 8 feet, \$2.50; 8 to 10 feet, \$3.50.

Q. palustris (Pin Oak). Foliage deep green and finely divided. As the tree grows the lower branches droop, till they almost touch the ground. The leaves become of a scarlet and yellow color in autumn. A splendid avenue tree—in fact, we highly recommend it for every purpose, as few trees are prettier than a lawn specimen of this Oak. It thrives in almost any soil, and stands the test of city street planting. 8 to 10 feet, \$2.50; 10 to 12 feet, \$3.50; 12 to 14 feet, \$5.00.

Red Oak (Quercus Rubra). A large native tree, with deeply cut, bright green leaves. It is a good grower and not particular about the soil. In autumn the foliage turns a rich purplish crimson that is scarcely surpassed in brilliancy by any other tree. 6 to 8 feet, \$2.50; 8 to 10 feet, \$3.50.

PLATANUS (Plane Tree)

Platanus orientalis (Oriental Plane. Buttonwood). orite tree for avenue and seashore planting, of large spreading habit and rapid growth, attaining a height of lifty to seventy feet, and not affected by insects. Leaves large, smooth and handsome, affording abundant shade. Thrives in high or low ground and cannot be too highly recommended where a large rapid-growing tree is desired. 8 to 10 feet, \$2.00; 10 to 12 feet, \$2.50; 12 to 14 feet, \$3.50.

POPLAR (Populus) Populus monilifera (Carolina, or Cottonwood Poplar). It is good in almost any location, thriving at the seashore in poor, sandy soil. It forms a fine-shaped, spreading tree, with large, dark, glossy leaves, and for screens is unequaled. feet, \$1.50.

P. nigra fastigiata var. Italica (Lombardy Poplar). Its tall fastigiate form, sometimes reaching 120 feet, makes it indispensable in landscape effects for breaking monotony of outline. Its growth is very rapid. 8 to 10 feet, \$1.50; 10 to 12 feet, \$2.00; 14 to 16 feet, \$3.00.

PYRUS **Pyrus** (Bechtel's Double-flowering Crab). A variety which we consider the best flowering Crab ever introduced. The tree is of medium growth, and the lowers of immense size, of a beautiful pink color, are highly fragrant. They are very double and resemble pink roses. 2 to 3 feet, \$2.00; 3 to 4 feet,

SALISBURIA (Maiden Hair Tree or Ginko)

One of the oddest and most peculiar of all hardy exotic trees. Its leaves are deciduous, fan-shaped, broad and notched, resembling those of the Maidenhair Fern; perfectly hardy. 6 to 8 feet, \$1.50; 8 to 10 feet, \$2.50.

SWEET GUM (Liquidambar)

Liquidambar styraciflua (Sweet Gum). One of our most ornamental trees. A rapid growing tree, and thriving in a great variety of soils. The leaves are roundish, but with five to seven pointed spreading lobes. In autumn they assume a great was a summary of the seven pointed spreading lobes. rich bronze color, and ofttimes change to crimson. 6 to 8 feet, \$2.00; 8 to 10 feet, \$3.00. **TULIP TREE** (Liriodendron)

Liriodendron tulipifera (Tulip Tree). A popular native deciduous tree, sometimes attaining a height of seventy-five to one hundred feet. 6 to 8 feet, \$1.50; 10 to 12 feet, \$2.50.



Catalpa or Umbrella Tree

UMBRELLA TREE (Catalpa Bunget)

For the lawn, formal garden or terrace decoration the Catalpa Bungei is very effective. It is an ideal lawn tree, decidedly ornamental and unique, clothed with a mass of large heartshape leaves that overlap each other, forming a perfect roof. Has a dense, perfect, half-globular or umbrella-shaped head, high on a straight upright stem. A striking and very ornamental tree upon the lawn. On terraces when used in connection with the California Privet hedge the effect is most pleasing.

Price, 6 to 7 feet stems, 1 year heads, \$1.25 each; 6 to 7 feet stems, 2 year heads, \$2.50 each; 6 to 7 feet stems, 4 year heads, WILLOW (Salix) \$5.00 each.

Salix Babylonica (Weeping Willow). This is the well-known Weeping Willow, whose long, pendulous branches droop so gracefully, and sway to the lightest breeze. Makes an admirable shade tree and grows well in wet or dry places. 8 to 10 feet, \$1.50; 10 to 12 feet, \$2.50.

188 Michell's Four Splendid Newer Varieties of Fruits

CACO GRAPE (A cross between Concord and Catawba)

The most delicious of all Grapes-perfectly hardy, has been pronounced by America's most expert grape growers to equal in high quality and melting texture the finest varieties grown under glass. When one considers the price of the greenhouse product and realizes that the wonderful Caco can be grown in the back yard, almost without

attention, the force of the above statement is apparent.

The large berry is wine-red. Bunch of good size, compact and of good form. Ripens ten days to two weeks in advance of Concord; rich in sugar, excellent in flavor. Vine a very strong vigorous grower,

healthy and prolific.

Fruit for past two years sold in open market by the crate at more

than double the price of any other variety.

Awarded a medal by the American Institute of New York; the highest honor ever conferred a variety of fruit by this (time honored) institution. We cannot recommend the Caco too highly.

Very strong vines, 2 years, each, 50c.; dozen, \$5.00; 100, \$35.00. (Parcel Post Weight, 1 lb. each.)

STAR BLACKBERRY

Imagine picking great clusters of giant sized Blackberries from canes that resemble grape vines. This is what you can do if you plant the Star Blackberry. The yield is so great that over eighty quarts of berries have been picked from a single plant of it in one season.

Train to a stake or trellis or over an arbor as grapes are grown-

and give them plenty of room.

Berries large, of attractive appearance and rich, sprightly and

luscious quality.

They keep in good condition for a long time and can be safely shipped almost any distance. The ideal berry for the home garden Transplanted plants, which should bear the first year, each, 20c.; dozen, \$1.50; 100, \$10.00.

(Parcel Post Weight, each, 1 lb.; 5 lbs. per doz.)

NEW BLACK RASPBERRY "SCARFF"

This new variety of black cap raspberry has many superior qualities in its favor when compared with older sorts.

1st. It is the most productive of any blackcap on the market.

2nd. It is perfectly hardy in any fruit growing section of the United

3rd. It is free from anthracnose and other cane diseases.

4th. The fruit is large, firm and attractive in appearance.

5th. It resists drought better than other kinds because the foliage is perfect and the canes vigorous and full of life.

6th. It produces 4 to 8 good strong, young canes each season for the coming crop.

7th. It ripens all its fruit to the very ends of the canes and maintains uniform size.

8th. The plants grow well and if well cared for almost a perfect stand can be secured.

9th. It has more good points than any other blackcap ever introduced.

Strong 2-year-old plants \$1.00 per doz.; per 100, \$6.50.

NEW EVERBEARING RASPBERRY "RANERE"

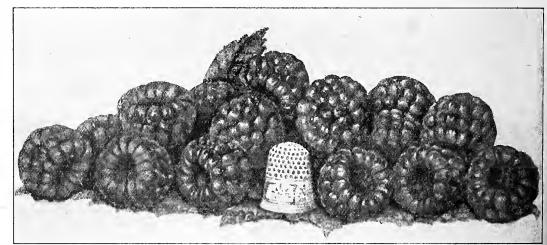
This yields its first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August, and continues bearing right up to November.

It thrives equally well on sandy and heavy soil. The fruit is large, of a beautiful crimson color, very sweet and juicy and is borne in great abundance, and does not seem to sunscald as easily as other sorts last season we had a photo made of a stack which had by actual count 169 berries on one stem, this will give some idea of its free fruiting qualities.

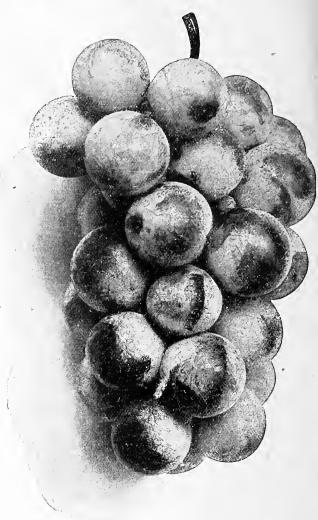
We will send out strong plants, which, from our experience in the past, should bear the first season.

Price: 6oc. per doz., per 100, \$4.00; \$17.50 per 500; \$30.00 per 1000.

(Parcel Post Weight, per doz., 5 lbs.).



The Wonderful Everbearing Raspberry "Ranere"



Caco Grape

MICHELL'S SELECTED SMALL FRUITS

SHIPPING SEASON FROM MARCH 15th TO MAY 15th



Blackberry Mersereau

BLACKBERRIES (Extra Strong Plants)

Eldorado. A very vigorous grower, free from mildew or rust, inches around; conical; enormously productive; fruit large, excellent quality, free from core. Per doz., 60c.; \$3.00 per 100.

Erie. Very productive; free from rust; fruit of good quality. 75c. per doz.; \$3.00 per 100; \$20.00 per 1000.

Ohmer. Canes hardy; fruit very large; of excellent quality,

firm, with no core, and sweet before soft or fully ripe. 60c. per doz.; \$3.50 per 100.

Mersereau. Remarkably strong grower. An enormous producer of extra size berries which are brilliant black and retain their color under all conditions; sweet, without core. Unsurpassed as a shipper and keeper. Per doz., 75c.; \$4.00 per 100.

Rathbun. Fruit is of enormous size, single specimens measure one and three-quarters inches in length, firm and sweet, with

no core. Plant is very hardy. 6oc. per doz.; per 100 \$3.00.

Star (New). (Everbearing). See page 188 for a full description of this. 2oc. each; \$1.50 per doz.; per 100, \$10.00.

Ward. A new blackberry of great ment. A seedling of the Vittations which it recently a constant. Kittatinny, which it resembles somewhat. A very strong grower; it is perfectly hardy. The fruit is black throughout, very prolife and firm. 6oc. per doz.; \$4.00 per 100.

We consider the above the best varieties in commerce.

Note.—If Blackberries are desired by Parcel Post allow 5 lbs. per dozen for postage, as we send out only extra strong plants which generally bear some the first season. We consider the above varieties the best in cultivation.

Note.—If Raspberries are desired by Parcel Post, allow 5 lbs.

per doz. for postage, as we send out extra strong plants.

CURRANTS (Extra Strong Plants)

Currants like good rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant. Black Naples. Fruit varies from small to large, averaging above medium; strong flavor. An old and well-known variety.

Cherry. Bush vigorous, stocky and compact: cluster rather short, with short stems: fruit averages large; color fine, bright red. One of the most productive of the large currants.

Fay's Prolific. Not quite so strong a grower as Cherry; cluster medium to long, with rather long stems; color darker than Cherry.

North Star. Bush very vigorous, upright, somewhat spreading; clusters medium length. Red Dutch. An old and well-known standard variety; clusters average about three inches

long; berries medium in size, dark red.

Versailles (La Versailles). Bush a vigorous, somewhat spreading grower. Very similar to Cherry in habit of growth and character of fruit.

White Grape. Clusters long; berries very large; of very attractive color, mild flavor

and good quality. Price, any of the above varieties of Currants, strong 2-year-old, 15c. each; per doz., \$1.25;

\$8.00 per 100.

Note.—If Currants are desired by Parcel Post, allow 5 lbs. per doz. for postage, as we end out extra strong plants, which generally bear some the first season. The varieties we list are among the best.

RASPBERRIES

Extra Strong Plants

Raspberries should be carefully staked, to get large crops. We recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

Brilliant. Ripens its fruit early and fast, producing bright, glossy, brilliant red berries. brilliant red berries, handsome. \$1.00 per doz.; per 100, \$5.00.

Cumberland (Blackcap). The largest rasp-berry known. Selected specimens measure an inch in diameter, iminch in diameter, immensely productive. Season a little in advance of Gregg. 6oc. per doz.; per 100, \$3.50.

Cuthbert. Berries very large, measuring 3 inches around, rich crimson. 60c. per doz.; per 100, \$3.50. Fruit

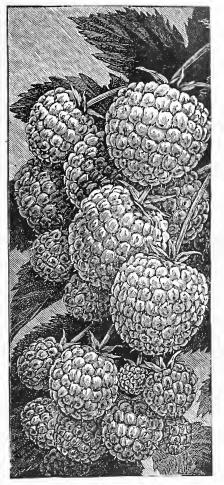
very large, often an inch in diameter; color dark red, bordering on purple. 75c. per doz.; per 100, \$3.50.

Gregg (Black). Large, firm, of good quality, ripening late. Exceedingly productive. 60c. per doz.; per 100, \$3.50. Golden Queen. Ber-

ries are large, of beautiful bright yellow, of excellent quality; medium to late. Per doz., 75c.; \$3.50 per 100.

Ranere (Everbearing). A full description of this will be found on page 188. 60c. per doz.; per 100, \$4.00.

Scarff. New blackcap variety. See page 188 for description. \$1,00 per doz.; per 100, \$6.50.



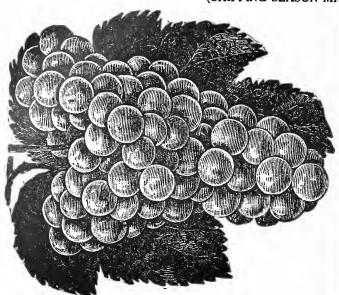
Raspberry Brilliant



Currant White Grape

MICHELL'S SELECTED SMALL FRUITS

(SHIPPING SEASON MARCH 15th TO MAY 15th)



GRAPE VINES

Brighton. Bunch large, well formed; berries above medium to large, round; excellent flavor and quality. One of the earliest in ripening.

Caco (New). A full description of this variety will be found on page 188. Extra strong vines, 50c. each; doz., \$5.00.

Campbell's Early. A valuable and delicious grape; vine very strong, hardy and vigorous, with thick, healthy foliage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich, delicious.

Concord. The well-known standard purple variety, succeeds wherever grapes will grow.

Delaware. Bunches and berries rather small; light red; juicy. Catawba. Delicious flavor, medium size red berry.

Green Mountain. A very early grape of the best quality; of medium size; color, greenish-white; almost melting in the mouth; vine vigorous, healthy and productive. 50c. each; per doz., \$5.00.

Moore's Diamond. A strong healthy grower, hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

Moore's Early. Berry large, with heavy blue bloom. Vine exceedingly hardy; desirable for an early market.

Niagara. An unusually strong grower; bunches very large and compact, berries large, light greenish-white, semi-transparent, has very little pulp and is sweet to the centre.

Pocklington. Bunch and berries large, when fully ripe a light golden-yellow. Vine thoroughly hardy, strong grower and productive.

Vergennes. Berries large, holding firmly to the stem; light amber; rich and delicious.

Worden. A beautiful, large black grape; larger, earlier and

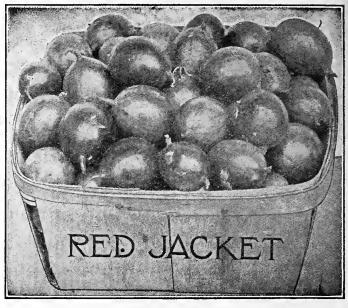
decidedly better than Concord.

Wyoming. Vine very hardy, healthy and robust. One of the most beautiful or the amber or red grapes, and in size nearly double that of the Delaware. Flesh tender and sweet, with a strong native aroma. Ripens before Delaware.

SPECIAL OFFER. We have an extra fine stock of most of the varieties which are described above, in strong 3-year-old vines. These will invariably produce fruit a year after planting, which makes it well worth while to plant 3-year-old stock.

Our stock of these, however, in some varieties is limited and constantly changing; we therefore suggest that customers allow us to send, in case we are sold out of the varieties they want, a good substitute, which in any event will be equal to or better than the variety they have ordered of the same color.

PRICES. 2-year-old vines, except where noted, 25c. each; doz., \$2.50; \$15.00 per 100. Extra strong 3-year-old vines, which generally bear the following season, 50c. each; doz., \$5.00; \$30.00 per 100. P. P. Wt., on Grape Vines, 2-year-old, 1 lb.; 3-year-old, 2 lbs.



GOOSEBERRIES (Extra Strong)

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. They will repay you for this trouble with an extra big crop.

Parcel Post Weight on Gooseberries, 5 lbs. per doz.

Industry. An English variety quite hardy here; it is a great producer of large red berries. 20c. each; doz., \$2.00; \$15.00 per 100.

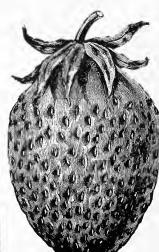
The Pearl. Large pale green fruit of exceptional quality; very sweet. 20c. each; doz., \$2.00; \$15.00 per 100.

Downing. Fruit medium to large, whitish green; flesh soft, juicy. Each, 15c.; per doz., \$1.50; per 100, \$10.00.

Houghton. Bush a vigorous grower, with rather slender branches; very productive. Fruit medium size, pale red, tender and good. 20c. each; per doz., \$2.00; \$15.00 per 100.

Red Jacket. Of American origin, possessing all the good qualities of the English type, and withstanding our severe climatic conditions with impunity. A wonderful cropper, with clean healthy foliage 20c. each; per doz., \$2.00; \$15.00 per 100.

STRAWBERRY PLANTS (Extra Strong Layers)



Ready from April 1st to May.

EARLY VARIETIES
Abington, Senator Dunlap,

Success, Wildwood. **MID-SEASON VARIETIES**

Auto, Bubach, Heritage, First Quality, President, William Belt, Marshall, Barrymore, Rewastico, Big Joe.

LATE SEASON VARIETIES Brandywine, Gandy, Glen Mary, Sample, Sharpless, Steven's Late Champion, Chesapeake.

Price of the above, 25c. per doz.; \$1.25 per 100; \$8.00 per 1000.

FALL FRUITING VARIETIES Progressive and Superb. 30c. doz.; 100, \$1.75; 1000, \$15.00 P. P. Wt. of Layer Strawberries.

I doz., I lb.; 100, 4 lbs.
Pot=Grown Strawberry Plants ready about August 1st.

MICHELL'S FRUIT AND NUT TREES

Fine fruit is the flower of commodities. "It is the most perfect union of the useful and the beautiful that the earth knows. Trees full of soft foliage; blossoms fresh with spring beauty; and, finally, fruit, rich, bloom-dusted, melting and luscious." If you contemplate planting a large number of fruit or nut trees or are interested in other varieties, please get our quotations.

APPLES

Arkansas Black. Tree very hardy, coming into fruiting young; fruit large, round and smooth; skin black, flesh yellow, juicy, crisp and delicious flavor; one of the best eating Apples. Baldwin. Large, roundish; deep bright red; juicy, crisp,

sub-acid, good flavor; very productive of fair, handsome fruit.

One of the most popular varieties in northern States.

Ben Davis. Large, handsome, striped, productive; a late keeper. Tree remarkably healthy and vigorous. A profitable market sort.

Grimes' Golden (Grimes' Golden Pippin). Of the highest quality; medium to large size; deep golden-yellow, sub-acid, aromatic, spicy and rich. Tree vigorous and productive. Jonathan. Medium size; red and yellow; flesh tender, juicy

and rich; a moderate grower; shoots light colored, slender and spreading; very productive. One of the best varieties either for table or market.

Maiden's Blush. Rather large, smooth, regular, with a fine, evenly shaded red cheek or blush on a clear, pale yellow ground; flesh white, tender, sprightly, with a pleasant sub-

acid flavor

Mammoth Black Twig. A very large, dark red winter apple from Arkansas. Is being largely planted for a market variety in the West as superior to Winesap. Tree vigorous, hardy and productive.

McIntosh Red. Hardy Canadian apple. Medium, nearly covered with dark red; flesh white, fine, tender, juicy. Good

annual bearer.

Paragon. Fruit large, roundish, somewhat flattened; color dark red; flesh firm, yellow, crisp, aromatic, sub-acid and juicy. It is a very late keeper, rich and of excellent quality.

Red Astrachan. Large, roundish, nearly covered with deep crimson, overspread with a thick bloom; juicy, rich acid, beautiful predatation.

beautiful, productive.

Rhode Island Greening. Large, greenish-yellow; tender, juicy and rich, with rather an acid flavor; an abundant bearer. Rome Beauty. Large and handsome, yellow, with crimson cheek, and tender, juicy yellow flesh. Bears heavy annual

Starr. This apple has every good point in its favor-early ripening, large size, good quality and productiveness; color of fruit pale green, frequently with blush on sunny side. As a cooking apple it cannot be equaled, having a rich, subacid flavor, and when thoroughly ripe is a delicious apple to eat out of hand.

Smith Cider. Medium size; greenish-white, striped with

red; very productive.

Smokehouse. Above medium, roundish oblate; yellow, shaded and striped with bright red; flesh yellowish, crisp, juicy, rich and pleasant sub-acid. A rather crooked grower, but productive.

Stayman's Winesap. One of the finest apples grown for appearance, flavor and juiciness. Medium size, conical; mostly covered with red on yellow ground; flesh fine, crisp and high-

flavored.

Wealthy. As a late fall apple the Wealthy has few equals. Skin smooth, oily, mostly covered with dark red; flesh white, fine grained, juicy, vinous, sub-acid; unequaled for cooking and excellent to eat out of hand; tree a free grower, very hardy and exceedingly productive.

Winesap. Medium size, dark red, rich flavor; very pro-

ductive. Late.

per doz.; \$50.00 per 100.

Yellow Transparent. One of the most desirable early apples in cultivation. Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy; fruit pale yellow, roundish, ovate, good size and good quality; skin clear white at first, becoming a beautiful pale yellow when fully matured.

CRAB APPLES

Hyslop. Fruit large, produced in clusters, deep crimson, covered with blue bloom. Very popular on account of its large size, beauty and hardiness.

Transcendent. Tree immensely productive, bearing after second year. Fruit from 1½ to 2 inches in diameter; skin yellow, striped with red; most popular.

Price of Apple Trees. Extra, 6 to 8 feet. 75c. each; \$7.50

APRICOTS RUSSIAN

Alexander. Ripens latter part of July; fruit medium in size, oblong and flattened, orange-yellow with faint blush; flesh firm, rather coarse.

Catherine. Earlier than Alexander; fruit small to medium, slightly oblong, globular, deep rich orange with dull red

J. L. Budd. About same as Catherine in season of ripening; oblong in shape; light orange with faint blush; flesh juicy with a sweet peachy flavor; quality good. Price of Apricots, two years old, 6oc. each; \$6.00 per doz.

CHERRIES

Black Eagle. Large, black; tender, rich, juicy and high flavored. Tree a moderate grower and productive.

Black Tartarian. Very large, purplish black; half-tender; flavor mild and pleasant. Tree a remarkably vigorous, erect and beautiful grower, and an immense bearer. One of the most popular varieties.

Early Richmond. Medium size, dark red; juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid Cherries.

Governor Wood. Fruit large, roundish, heart-shaped. Skin light yellow, shaded and marbled with bright red. Flesh tender, juicy, sweet, rich and delicious.

Large Montmorency. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond.

Mercer. A heart variety of large size, excellent quality and attractive appearance, larger than Black Tartarian; color when ripe very dark red, very meaty and firm, free from rot and disease, very productive, hardy and a good grower.

Napoleon. A magnificent cherry of the largest size; pale yellow, with a bright red cheek; flesh very firm, juicy and sweet. Tree a vigorous, erect grower and bears enormous crops; ripens late.

Windsor. A remarkably firm, large late variety, and no doubt the best of its season; fruit large, liver-colored, of good

Yellow Spanish. Large; pale yellow, with bright red cheek in the sun; flesh firm, juicy and delicious; one of the best,

most beautiful and popular of all light-colored Cherries. Prices of Cherry Trees. Extra heavy, 5 to 7 feet. 75c. each; \$7.50 per doz.

PLUMS

Abundance. In tree and fruit unlike any other plum. In growth it is so strong and handsome as to render it worthy of being planted as an ornamental tree. The fruit is very large, showy and beautiful. Amber, turning to a rich, bright

Burbank. Medium to rather large, roundish conical in form; orange-yellow, overlaid with red; flesh firm, meaty, yellow,

rich, sugary.

Hale. The plums are of the largest size of its class, bright orange-yellow skin, mottled and nearly covered with vivid cherry-red; flesh yellow, firm and delicious.

Red June (Japan). Vigorous, hardy, early productive; fruit medium to large, deep vermilion-red; very showy; flesh light lemon-yellow, firm and of excellent quality.

Sultan. One of the most attractive of plums; very large in size, deep purplish-crimson in color; flesh very firm, fragrant, sweet, dark crimson shaded with pink.

Wickson. Fruit large, obconical, dark crimson-purple; flesh very firm, yellow, juicy, sub-acid, highly flavored; pit small; clingstone; quality best. An excellent keeper.

Wild Goose. Large, rich crimson; very productive and profitable. Prices of Plum Trees. Extra, 5 to 6 feet. 75c. each; \$7.50 per doz.

MICHELL'S FRUIT AND NUT TREES

PEARS

Bartlett. Large size, with often a beautiful blush next the sun; buttery, very juicy and high flavored; bears early and abundantly.

Flemish Beauty. Large, beautiful, juicy, melting, rich and fine; good bearer; one of the hardiest and does well every-

where. Howell. Large, light waxen-yellow, with a fine, red cheek; handsome, rich, sweet, melting; perfumed, aromatic flavor.

An early annual and profuse bearer.

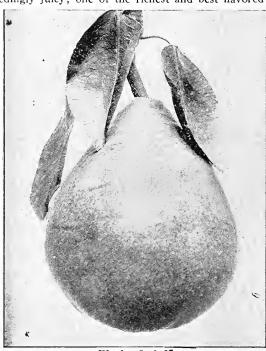
Kieffer. While not of best quality, properly ripened it is a fair dessert fruit, and one of the very best for canning and preserving. Of large size and handsome appearance.

Lawrence. A good grower; very productive and an annual bearer. Fruit medium, canary-yellow, sweet and excellent;

a good keeper.

Le Conte. Very vigorous grower; fruit very large, greenish-

yellow; smooth and handsome; juicy.
Seckel. Small, skin rich yellowish-brown, when fully ripe, with deep, brownish-red cheek; flesh very fine grained, sweet, exceedingly juicy; one of the richest and best flavored Pears.



Worden-Seckel

Worden-Seckel. A seedling of the Seckel, which for many years has been conceded to be the standard of excellence. Equal in quality to its famous parent, which it much resembles in flavor, is equally as luscious, more juicy, and with an aroma equally as rich and inviting, while in size, color, form and appearance it is decidedly superior. Tree a more upright and rapid grower than Seckel; an enormous bearer; fruit keeps well, retaining its quality to the last. Prices of Pear Trees: Extra, 5 to 7 feet, 75c. each; \$7.50 per

QUINCES

Bourgeat. A new golden prolific variety of the best quality, ripens shortly after Crange and keeping until Midwinter; yielding immense crops. Fruit of largest size, round, rich golden color.

Champion. A prolific bearer, fruit averaging larger than the Orange; bears extremely young.

Meech. Immensely productive, frequently bearing fruit when but two years of age; the fruit is large, lively orange-yellow, of great beauty and delightful fragrance.

Orange. Large, roundish; bright golden-yellow; cooks tendered in a year, available for crossweep.

der and is of very excellent flavor; valuable for preserves or flavoring.

Price of 2 year old Quince Trees, 4-5 ft. high, 75c. each; doz., \$7.50.

PEACHES

Beer's Smock (Late). Large size; flesh yellow; an improvement on Smock Free; a few days later and an annual bearer.

Belle of Georgia. Freestone; skin rich creamy-white, with a bright red cheek on sunny side; quality delicious.

Carman (Early). Fruit large, with pale yellow skin, red blush on sunny side; flesh white, tender and melting, rich sweet and of superior flavor.

Champion (Early). Freestone; very large; creamy-white, with a bright red cheek; flesh creamy-white, firm, sweet and delicious.

Chair's Choice (Late). Freestone; very large; yellow, with a red cheek; flesh yellow, firm and of good quality.

Crawford's Early. Fruit large, oblong; skin yellow, with fine red cheek; flesh yellow; wonderfully productive.

Crawford's Late. Fruit of largest size; skin greenish-yellow, with dull red cheek; flesh yellow.

Elberta (Medium). Large, yellow, with red cheek; flesh yellow; firm, juicy, of high quality. One of the leading market varieties.

Ford's Late White. Large, white, handsome; of good quality.

Greensboro. The largest of the early Peaches. Yellow, with a bright red covering; flesh white; of excellent flavor.

Iron Mountain (Late). Freestone; large; pure white skin; flesh white to the stone, solid, juicy, sweet and excellent.

Mountain Rose (Early). White, with red cheek; very good; freestone.

Oldmixon Free (Medium). Uniformly large; white, covered with bright red; one of the best.

Stephen's Rare Ripe (Late). Fruit white, shaded red. Flesh firm, juicy. Freestone.

Stump the World. Very large; skin white, with bright red cheek; flesh white, juicy and good.
Prices of Peach Trees: Extra, 5 to 6 feet, 50c. each; \$5.00

per doz.

NUT TREES

Paragon Chestnut (Grafted). Tree hardy, productive; nuts large and of excellent quality. Two trees four years grafted produced one bushel of nuts each, which sold at wholesale at \$10.00 per bushel.

Ridgeley Chestnut (Grafted). A large variety of the Chestnut from Delaware. Very productive. As indicating its great value as a market variety, the crop from the original tree is reported to have brought \$32.00. Price of Chestnut Trees, 4 to 6 feet high, \$2.00 each; doz.,

Black Walnut. A native tree of large size and majestic form, beautiful foliage. A rapid grower, producing a large, round nut of excellent quality.

Persian Walnut (Maiden). A handsome, lofty-growing tree of spreading habit, hardy and productive as far north as New York City. This tree should not be planted for the nuts alone, but as a shade and ornamental tree, its handsome form, deep green foliage, and clean appearance, rendering it strikingly handsome on a lawn.

Persian Kaghazi Walnut. A vigorous, free grower; very prolific, producing nuts in clusters, and comes to fruiting very The nut is larger than in the ordinary varieties; the kernel full, plump, meaty, sweeter, richer in oils and of finer flavor. The shell is thin but not tender, like some "paper shell" varieties, does not crack in handling.

Price of Walnut Trees, 3 to 4 feet high, 75c. each; doz., \$7.50; 4 to 5 feet high, \$1.00 each; doz., \$10.00.

Hard Shell Almond. A fine, hardy variety. The nuts have large, plump kernels, and the tree large, showy, ornamental blossoms. 4 to 5 feet. 75c. each; \$7.00 per doz.

Butternut. Tree of rapid growth, with large, luxuriant tropical-looking foliage; very ornamental, very productive; bears young. The nuts differ from American black Walnuts in being longer, with kernels of sweeter and more delicate flavor. 4 to 5 feet, 75c. each; \$7.50 per doz.

Planet Jr WHEEL HOES

NEW 72-PAGE CATALOG FREE Describes over 70 tools, including entirely new ones. Horse Hoes, Harrows, Orchard- and Beet-Cultivators, Seeders and Wheel Hoes. Write today!

Holds 3 qts. of seed. A favorite among onion growers, market gardeners and seedsmen.

The flow of seed is instantly started or stopped by the cut-off rod. No seed wasted at end of rows. Sows in large or small quantities in drills or in hills.

No. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR, AND **PLOW Price Complete** \$12.75

Soon pays for itself in the family garden as well as in the larger acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily all through the season.

No. 4 D SEEDER, Price, \$10.25

Same as above less the cultivating attachments."

No. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR DOUBLE AND PLOW Price Complete. \$15.50

splendid combination for the family garden, onion grower or large gardener. Is a perfect seeder and combined double and single wheel-hoe.

No. 31 PLANET JR. COMBINED DRILL SEEDER AND SINGLE WHEEL HOE Price Complete, \$8.00 No. 32 As a DRILL SEEDER Only, \$5.75

This new tool is of great value to gardeners who have never felt able to own either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision. Quickly changed to a splendid wheel hoe. A special machine for the small gardener.

No. 3 PLANET JR. HILL AND No. 11 PLANET JR. DOUBLE AND SINGLE WHEEL HOE, Price, \$12.00 CULTIVATOR, PLOW AND RAKE rice Complete, \$10.50

A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Steel frames; 14-inch steel wheels. The greatest hand-cultivating tool in the world.



Same as No, 11, but without the rakes and one pair hoes.

No. 16 PLANET JR. SINGLE WHEEL HOE, CULTIVA-TOR, RAKE AND PLOW Price, \$6.75

The highest type of single wheel hoe made. Light, but strong, and can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest, quickest and best way.



Same as No. 16, but without the rakes and

No. 33 PLANET JR. SINGLE WHEEL HOE



PLANET JR. No. 65 SLIDE HOE Price, \$2.75

tool pushes very easily especially useful where working between crops late in the season when wheel hoes run over and damage the tops of onions, salad leaves and other tender foliage.



Useful to owners of small gardens, and to chicken raisers for plowing up scratchingyards. Its light weight makes it easy for man, woman or boy to use.

PLANET JR. TOOLS NOT ILLUSTRATED

Planet Jr. No. 66 Slide Hoe... A new tool for 1917. Straddles the row or works between. See Special Planet Jr. Catalog. Planet Jr. Star Pulverizer..... 3.25 New. See Planet Jr. Catalog. Planet Jr. No. 60 Double Wheel Hoe. 5.00 New. See Planet Jr. Catalog. Seeder11.00 No. I No. 2 Seeder 8.50 No. Hill and Drill Seeder15.00 No. Combined Seeder..........16.50 No. 6 D Plain Seeder13.50 Combined Seeder......16.00 No. 28 No. 29 No. 13½ Double Wheel Hoe 7.00 No. 14 Double Wheel Hoe 9.50 No. 17½ Single Wheel Hoe 5.25 No. 38 Single Wheel Hoe . . . 8.00 No. 181/2 Single Wheel Hoe 5.50

PARTS OF PLANET JR. WHEEL HOES

Wheel, plain Leaf Lifter D 24 .. \$1.00 For Single .25 Wheel Hoe T.00 Frame S 30 .85 Handles, per pair Wrench .15 Side Frames, each .85 Wheels, each For Double .90 Wheel Hoe Arch 1.00 .85 Handles, per pair Leaf Lifters, each .25 Side Plows, per pair Cultivator Teeth, ea. 1.35 Parts for .40 Landside Plow Single and 1.35 Double Rakes, 3-tooth, pair .75 Wheel Hoes Rakes, 5-tooth, "Rakes, 7-tooth, " I.00 1.35 Side Hoes, 4½ in., \$1.00; 6 in., \$1.10; 7 in., \$1.20 pair. Handle For Fire-

Planet Jr. tools save your time, lighten your labor and get the biggest crops—the longest-lasting and most economical implements made. Fully guaranteed.

Fly Plows

.70

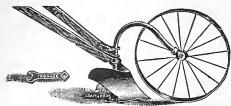
1.00

Frame

Wheel Mouldboard

RELIABLE GARDEN TOOLS, FERTILIZERS, 518 194 MICHELL'S SEEDS, BULBS, PLANTS POULTRY SUPPLIES, ETC. MARKET ST. PHILA.

IRON AGE FARM AND GARDEN TOOLS



NO. 11 WHEEL PLOW

The work of hilling up crops in the garden by the old method is acknowledged difficult by any one who has tried it. Not only will the Wheel Plow do this work with less effort and more rapidly, it also does it much better. Price, \$3.10.



NO. 12 WHEEL HOE AND PLOW

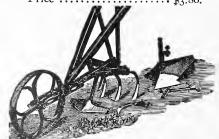
This tool is a most desirable one for the family garden and truck patch. It may be speedily changed for different purposes. Price



NO. 9 WHEEL HOE, PLOW AND CULTIVATOR

The most complete of the Iron Age single wheel hand tools. It may be used as a hilling plow for hoeing, weeding and raking.

No. 10.—This is similar to the above machine but with one pair of side hoes only. Price



GEM SINGLE WHEEL HOE

Of garden tools this is the most popular, being low in price and complete in detail, suited for most any work in a garden. It weeds, hoes, hills and harrows. Price, \$6.00.

GEM DOUBLE WHEEL HOE

Similar to the single wheel machine, excepting for the fact that it possesses another wheel and is minus the scufflers. It has instead one pair of side hoes, which can be used to better advantage on such a tool. The wheels may be adjusted to enable plants to be worked on both sides of row.

Price \$7.10.



No. 1 Iron Age Double Wheel Hoe

Double Wheel Hoes possess very great features over the single wheel machines. One point is that a row of plants may be worked complete on both sides with safety, and the entire soil gets thoroughly loosened without the least possible injury to the plants. The high centre arch enables this type of machine to be used where others would not be so practical. Two rakes, not shown, accompany this tool. Price, \$8.35.

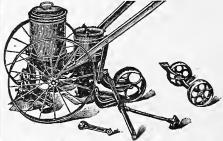
No.3 Wheel Hoe is the above machine with vine lifters and one pair sides hoes only. Price, \$5.25.

IRON AGE HAND PLOW



THE MODEL SEED DRILL

The depth of sowing can be regulated to any desired distance. It is well named the market gardeners' drill, having a large capacity for seeds, and is a wonderfully efficient machine. Price, \$9.50.

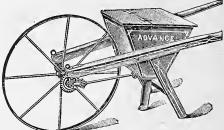


No. 22 Combined Fertilizer Distributor, Hill and Drill Seeder

One of the most successful seed and fertilizer drills ever made. The fertilizer is distributed more accurately than if put on by hand, and the two operations are done in one. Price, \$21.50.

No. 19 C CULTIVATOR

Has 24 inch steel wheel. Two sizes of single teeth that work between narrow rows, a landside plow, a scuffle hoe and a set of three teeth on one bracket for hoeing and cultivating between the wider rows. Steel frame. Price, \$4.25.



"ADVANCE" DRILL

A shut-off, to prevent the escape of fertilizer when wheeling around end of row, is a late improvement; being one of those little things which go far, however, in making a tool valuable. A first-class machine for the drilling of peas, corn and fertilizer.

No. 6 Double and SingleWheel Hoe and Combined Hill and Drill Seeder

From a Seed Drill this tool can be converted into a Wheel Hoe, either single or double, it requiring but about three minutes to change to a Double Wheel Hoe and about two minutes to a Single Wheel Hoe, by an inexperienced operator. Price, as in cut, \$14.25; No. 7 as Drill only, \$11.75.

NO. 4 COMBINED DOUBLE and SINGLE WHEEL HOE and DRILL SEEDER

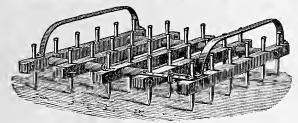
Similar to the No. 6 Combined Double Wheel Hoe, Hill and Drill Seeder. It only differs in the seed sowing device and opening plow. Both tools as Double and Single Wheel Hoes are identical. The seed sowing device of our No. 4 is only designed to sow seeds in continuous rows. Price, complete, \$13.00; No. 5 Drill Seeder only, \$9.50.

IRON AGE WHEEL HOE PARTS

Gem Landside Plow	51.10
Iron Age Landside Plow	
Weeder for Single Wheel Hoes	1.00
"Double "pair	1.40
Side Plows, right or lefteach	.50
Side Hoes, right or lefteach	,50
Rakes, 6-tootheach	45
Teeth, Gemeach	-35
Teeth, Iron Ageeach	.20

MICHELL'S GARDEN AND FARM TOOLS

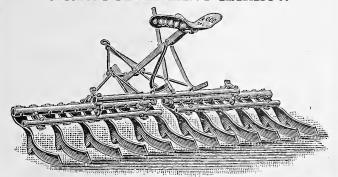
GARDENERS' SPIKE TOOTH HARROWS



Though old-fashioned in appearance and construction, this harrow is still preferred by many; fitted with runners, upon which it may be turned to take it from place to place.

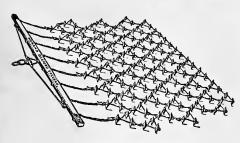
Price, 25 teeth......\$7.00 Price, 30 teeth......\$8.00

ACME PULVERIZING HARROW



This will be found by those having a large acreage an indispensable implement, for pulverizing and crushing the ground so thoroughly as to give it the appearance of being done by hand. No. 23. Price, 6 ft. covering area, 2-horse.........\$19.00

SCOTCH CHAIN HARROW



One of the best for implements pulverizing the surface soil, leveling and smoothing, and is also splendid for covering grass seeds, etc. Used on driveways and Used race tracks, it smooths the surface, eliminating ruts and footprints.

quickly re-moved. Culti-

One-horse size, 5 x 6 feet... 126 lbs. Medium two-horse, 6 x 73/4 feet.....236 lbs. No. 3F. Full two-horse size, 9 x 11 feet......357 lbs. . \$35.00

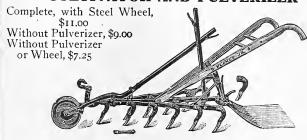
IRON AGE DIAMOND TOOTH HARROW AND CULTIVATOR No. 1014



vating width

No. 1014 E. No. 1014. Without wheel or lever..... 5.00

PLANET Jr. TWELVE-TOOTH HARROW **CULTIVATOR AND PULVERIZER**



With the Twelve-Tooth Harrow here shown, you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil, mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches. It's a special favorite with strawberry growers, market gardeners and truckers.

SINGLE AND DOUBLE TREES



Wood	l Single	Trees	, 26 inche	s, hooks	or	rings,	price.	\$0	.90
	"	64	28 "	"	4.6	66	- "	I	.00
44	Double	"	heavy No.	. 2 "	64	"	"	3	
Steel	Single	44	24 inches	, "	66	64	"	Ĭ	.45
"	Double	44	33 in., N	o. I "	"	**	"	4	60

IRON AGE SPIKE TOOTH HARROWS



These are equipped with a lever for lessening or increasing the depth of culti-vation and are adjustable in-stantly. The teeth are equip-

ped so as to readily pass any obstruction in the soi

No.	Teeth	Sections	Price
1255	25	I	\$7.25
1305	30	I	7.60
2501	50	2	14.00
2601	60	2	14.75

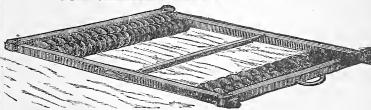
IRON AGE SPRING TOOTH HARROWS

Splendid for breaking up clods after plowing prior to working the land up into a fine seed bed.

No.	Teeth	Sections	Size	Price
5215	15	2	5 ft. 4 in.	\$19.00
6217	17	2	6 ft.	20.50
IRON AGE D	ISC	HARROWS	(2 Hors	se)

Price Discs Diam. Cut \$27.75 4 ft. 816 16 in. 1016 5 ft. IO 16 in. 29.50

THE MEEKER DISC HARROW



A splendid soil pulverizer, rendering it as fine as though done with a rake. No. 3—8 ft. x 6 ft.— 8 in. discs 28.00 No. 4—8 ft. x 6 ft.—10 in. discs 30.00

MICHELL'S GARDEN AND FARM TOOLS



Made of steel throughout. The lever wheel and depth regulator enable the operator to increase or lessen the depth of tilling by the mere stroke of the arm. The side or covering steel and shovel which is in the rear may be taken off and the arms so turned that when the extra teeth, which accompany the machine, are attached, it



The latest Planet Jr. Plain Cultivator with improved expander. Light in weight but very strong. A tool that will give universal satisfaction.

Price, \$6.50; weight, 46½ lbs. Price without wheel, \$5.50.

PLANET Jr. 7-TOOTH **CULTIVATOR**



Many gardeners like the 7-tooth cultivator, because it prepares the soil better than does the 5-tooth machine. Price, complete with steel wheel, \$9.25. Without wheel, \$8.00.

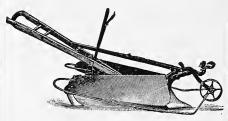
IRON AGE CULTIVATOR TEETH

No. Width	Each	No. Width	Each
o—1 1/4-in.		82-3 -in.	\$0.11
96—I½-in.	10	83—3½-in.	14
I —2 -in.		84—4 -in.	
		68—4 -in.	
Bolts for	Teeth, 3c.	each; per do	z., 30C.



A new light, strong combined Horse Hoe and Cultivator with lever wheel and lever expander. It has all the qualities of the older model, Planet Jr. Horse Hoes, able to go through very narrow rows sucthough lighter and better adapted to many kinds of work where a heavy tool is not necessary.

Price, complete, \$8.25; without wheel, \$6.75.



Planet Jr. Double Celery Hiller

PLANET Jr. **CELERY HILLERS**

For throwing earth against celery plants prior to blanching, nothing equals this machine. Made in two styles. Single, for hilling one side of the row. Double, for hilling one side of 2 rows. Price, double style, \$19.50; single style, \$15.50.

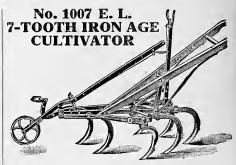


Largely sold in those sections of the country where labor is inefficient and a cheap and simple tool is desirable.

Price, as in cut, \$4.25; with plain wheel, \$4.75; with lever expander, \$5.25; with lever and wheel, \$5.90.



Iron Age Cultivator Teeth (See Prices Opposite)



By means of the lever wheel the depth may be regulated with a single stroke of the arm; the expanding lever renders it cessfully. The cultivator may also be used as a five-tooth machine by merely unbolting two teeth and arms. Price, \$7.40.



Equipped with side steels or coverers, which can easily be detached, and the regular cultivator teeth, which accompany each implement, attached. Price, \$7.60.

No. 1007 E. P. IRON AGE HORSE HOE and CULTIVATOR



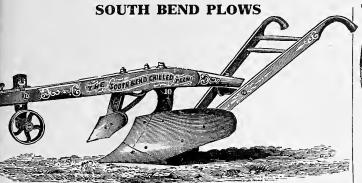
One of the best of the 7-tooth Iron Age equipments; the teeth are narrow, which enables it to do fine work, tilling deep and yet not injuring young plants. If it is desired to use this machine with less teeth than accompany it, any excess may be easily detached. Price, as in cut, \$6.80.

PLANET Jr. CULTIVATOR TEETH

They are round in the throat and can scarcely get clogged; are also extra high and the rear tooth has extra clearance behind the side teeth, preventing clogging and making good work. The teeth are made of beveled steel, especially hardened. They are thickest in the centre, so they are self-sharpening, as the point retains its shape and strength. Every steel has "Planet Jr." on back. See that any you buy are so stamped.

Wie																								ric	
I ¼	in																							\$ o. 1	2
13/4	in																						 	. 1	3
21/4	in																						 	. 1	4
3	in																						 	. 1	6
4	in																						 	. 1	8
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MICHELL'S FARM, LAWN AND GARDEN TOOLS



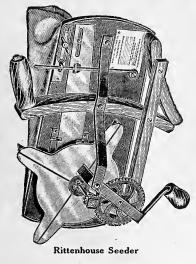
The South Bend Plow is one of the most popular and efficient makes on the market to-day. For private garden, farm or truckers work, it meets every requirement; made of chilled steel in various sizes to meet all conditions.

extra. Prices named above are for plain plow. We can also supply Gale, Oliver and Syracuse Plows.

Price List of South Bend Plow Parts

	Shares	Mouldboards	Beams	Handles Jo	interpoints I	Landsides
No. 1 B	\$0.35	\$1.65	\$0.90	\$1.40		\$0.45
No. 2 F	.40	2.75	1.00	1.40	\$0.25	.85
No. 3 A	40	3:25	1.15	1.65	.25	I.IO
No. 4	.45	3.50	1.40	1.75	.25	1.15

BROADCAST SEED SOWERS





Cahoon Seeder

For accurately sowing Timothy, Clovers, Millets and heavy seeds of grass and other farm crops. Can be regulated to sow any required quantity per acre.

Cahoon Make, each..\$3.50 Rittenhouse, each.... 1.75

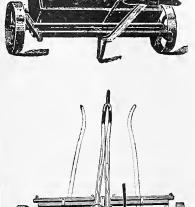
THE CHAMPION SOD CUTTER



be done; work can be accomplished better with this machine; you can cut as much in one hour as two men all day.

Price, \$24.00. Extra Knives for Sod Cutterseach \$4.50

THE STEVENS FERTILIZER DISTRIBUTORS

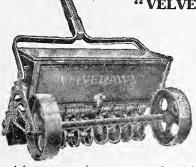


For distributing bone meal, wood ashes, and other commercial fertilizers on fields, lawns, golf courses, etc., also for sanding put-ting greens. Insures perfect and even distribution, requiring less time than by the broadcast hand process. Hand Machine holds about 134 bu., nicely finished, covering area 3 ft. wide. Price \$12.50 f. o. b. Phila.

Horse Machine. For use on large lawns, fields and Golf grounds. It has a device for regulating the quantity to be sown. equipped with broad tires, which do not readily cut into the ground. Equipped for either one or two horses, as may be desired. 5-ft. 10-in. spreading area, \$38.00; 8-ft. 3-in. spreading area, \$45.00; 10-ft. 3-in. spreading area, \$48.00.

Prices f.o.b. factory.

"VELVETLAWN" SEEDER



For properly sowing grass seeds on lawns and putting greens al-ready in sod. It places it in the ground in close furrows, covers and rolls it at one operation. The result is an even, quick growth of grass, also used for distributing fertilizers. The horse ma-chine is especially valu-

able for seeding large golf courses, pastures and lawns on private estates; for drilling in clover, alfalfa and similar seeds it works perfectly. The horse machine is adapted to sowing either new lawns or old, but the problem of putting seed on old lawns and being sure it is properly covered so it will not blow away, but grow, is solved by these machines entirely. Any light horse handled by a boy can use the larger seeders, while an average man can use the hand machine.

Hand Machine, seeding 16-inch area. Price, \$20.00.

Horse Machine

Price on Horse Power Velvet Lawn Seeder is f. o. b. factory in Ohio



WHEELBARROW GRASS SEEDER

This machine is now largely used for distributing grass and other seeds over large areas.

The distributing box is very near the ground, which is an important feature, preventing the seed from blowing away and thus coming up unevenly.

No. 9 (especially for Grass Seed), \$9.00. No. 5. \$8.00. These seeders sow

an area 14 ft. wide.

LAWN MOWERS AND LAWN ACCESSORIES, Etc.

TOWNSEND GOLF WONDER MOWER

For putting Greens. 10-inch, \$14.40; 12-inch \$16.20; 14-inch, \$18.00; 16-inch, \$19.80; 18-inch, \$21.60; 20-inch, \$23.40; 22-inch, \$25.20; 24-inch,

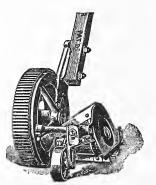


size Townsend Golf Wonder, \$3.00 each.

LAWN TRIMMERS

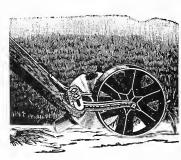
Pennsylvania Style. This machine will trim against fences and closer to walls or tombstones than any other machine now made, and will not scrape or smudge the object against which it is cutting. Ball bearing, under cut style, \$6.75; plain bearing, straight cut style, \$5.75.

Coldwell Trimmer. This is an excellent machine for trimming around flower beds, shrubbery and walk edges. The revolving cutter is 6 in. wide, and cuts within 1/4 in. of side obstruction. Price, \$5.50.



Penna. Undercut Lawn Trimmer

CAPITOL LAWN TRIMMER AND EDGER



Capitol Lawn Trimmer

A remarkably practical device; can be used as a lawn trimmer also as an edger for walks, driveways, flower beds. The revolving disc is made of fine tempered steel, which makes cutting easy. It can be converted into either a trimmer or an edger in a few seconds by simply turning the machine over and making a slight adjustment of a brace rod. Price, \$6.50.

G. M. LAWN MOWER SHARPENER



Can be adjusted for any thickness of blade and when properly set will give a uniform bevel on blade, the sharpener following the twist of the blade, it will sharpen the under blade and dead knife. When set, on either the cylinder or stationary knife the same are sharpened by working the device back and forth until a good edge has been obtained.

Price, 50c. each, postpaid. Extra files, 2 for 25c.

GRASS CATCHERS



THE K. C. CATCHER

There always have been makes of mowers on the market that could not be properly fitted with a grass catcher. The K. C. is designed to fit any size or style mower and can be attached or detached in a moment. Made of galvanized iron bottom and canvas sides. Price, 12- to 16-in. size, \$1.35 each; 16- to 22-in. size, \$1.50.

BRAUN CATCHERS

For the Pennsylvania, Continental, Great American B. B. and New Departure Mowers.

10-in\$1.50 12-in 1.60	14-in\$1.80 16-in 1.90	15-in\$1.90 17-in\$2.00	19-in\$2.10 21-in 2.25
-		18-in 2.00	

FOR PENNA. HORSE MOWERS

Forward	Delivery	Grass	Box,	for	30-inch	mower	818.50
						mower	
Grass Bo	x for Per	nnsylva	nia P	ony	Mower.		3.00

CATCHERS FOR COLDWELL MOWER

14-in...\$1.60 | 16-in...\$1.70 | 18-in...\$1.80 | 20-in...\$1.90

PENNA. PUTTING GREEN MOWER CATCHERS

10-inch\$2 50	14-inch\$2 70	18-inch \$3.00
12-inch 2.60	16-inch 2.90	18-inch \$3.00

PENNA. GOLF MOWER CATCHERS

14-inch\$2.70	17-inch\$3.00	19-inch\$3.10
16-inch 2.90	18-inch 3.00	21-inch 3.25

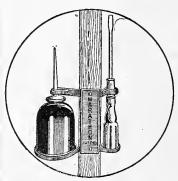
TENNIS COURT MARKERS

Junior Line-o-graph. A perfect liquid lime tennis court marker especially designed for private courts, works perfectly on grass or clay. \$20.00 each, F. O. B. factory. F. O. B. Philadelphia, \$20.50.

Universal Line-o-graph. Like the above but larger; adapted for golf



and country club courts, each \$35.00. Junior Lineograph Tennis Marker



MARATHON TOOL **BRACKET** (For Mowers)

Comprises a device for fastening to hand lawn mowers. A screw driver and oil can, complete equipment, for 60c. Parcel Post Wt., 1 lb.

WIRE HORSE MUZZLES

Used when mowing lawns or working the garden, 25c. each. P. P. Weight, 1/2 lb.

LAWN MOWER SHARPENING

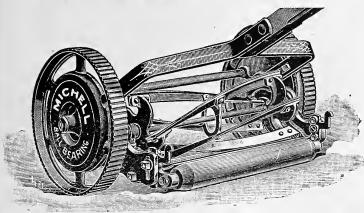
This work is done for us by a competent mechanic, and we can insure entire satisfaction.

Horse Mowers, 25-in., \$6.00; 30-in., \$7.50; 35-in., \$7.50; 40-

Hand Mowers, 10 to 17-in., \$1.50; 18 to 21-in., \$1.75. Golf Mowers (6 blades). 14 to 18-in., \$2.00; 19 to 22-in., \$2.00. New parts required on repaired mowers supplied at factory prices. Above figures are for sharpening the cylinder and bottom blades only and does not include any new

parts that may be needed.

THE MICHELL HIGH WHEEL BALL-BEARING LAWN MOWER

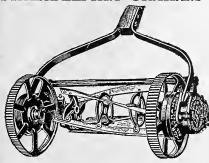


In answer to the call our trade has for years made upon us for a mower of our own name, we have had designed by the best lawn mower makers in the United States the "Michell" High Wheel Ball-Bearing. Of the best material throughout, in every detail has there been the thought to construct not only a mower that would appeal to the intending purchaser from a standpoint of looks, but to give him more for his money than we might be able to do in other makes. Every thinking person knows that to put their name on an article makes it imperative for him to see that the article is good, that it will not discredit in any way his reputation, that after it has been in use for even a long time, the satisfaction in using it be so great the buyer will remember the quality rather than the price. The "Michell Ball Bearing High Wheel Lawn Mower" is made for us by Ino. Braun and Sons, who are the originators and makers of the "Famous Pennsylvania Quality" machines. This alone is a justification of our statement that the "Michell H. W. B. B. Mower" will give untold satisfaction.

It has a 5-blade cylinder of tool steel blades, each hardened and tempered in oil, it is equipped with internal driving gears on both sides, making it easy to push. The cones and cups in which the balls revolve are hardened tool steel, while the balls themselves are extra large, of the best quality. The drive wheels are 10 inches high, which ensures easy running, the bottom knife is self sharpening with raised edge, of crucible steel, that will ensure long service. It can be regulated to cut the grass at a height of from ½ to 1½ inches, by adjustment, while it mows grass with ease that is 6 inches high. We believe a trial will prove it to be the best all around lawn mower in existence today.

15-inch cut....\$12.50 | 17-inch cut....\$13.50 | 19-inch cu;....\$14.50 | 21-inch cut....\$16.00

PHILADELPHIA GRAHAM MOWER (All Steel)



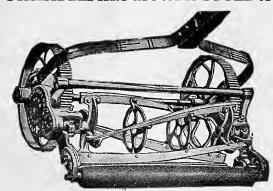
Diameter of cylinder 61/2 in. with four Vanadium Crucible Steel blades. Train of three heavy gears on both sides. Driving wheels to in.; no front

Very strong, compact, light and durable.

Graham Lawn Mower

15-in...\$14.00 | 17-in...\$15.50 | 19-in...\$17.00 | 21-in...\$18.50

PHILADELPHIA MOWER STYLE A



Style A Phila. Lawn Mower

Diameter of cylinder 6½ in. with four Vanadium Crucible Steel blades. Train of three heavy gears on one side, operating double rachet. Driving wheels 10.

15-in...\$12.00 | 17-in...\$13.00 | 19-in...\$14.50 | 21 in...\$16.00

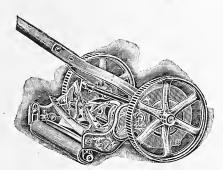
PHILADELPHIA STYLE K

61/2 in. draw cylinder, 5 blades, high wheels, made with Plain or Roller bearings. We recommend plain bearings in this make. They last longer, give less trouble.

Prices, plain bearings

14-in...\$7.50 | 16-in...\$8.25 | 18-in...\$9.50 | 20-in...\$10.25 We can also supply Phila. Horse Mowers and Phila. Lawn Sweepers.

COLDWELL BALL BEARING HIGH WHEEL MOWER



Coldwell B. B. L. Mower

The Coldwell line of mowers need no introduction for quality, service and reputation. Easy running ball bearing, four blade cylinder, made to last and do fine work.

14-in...\$10.50 | 16-in....\$11.50 | 18-in....\$12.50 | 20-in....\$13.50

Grass Catchers for Coldwell B. B. Mowers

14-in....\$1.60 | 16-in....\$1.70 | 18-in....\$1.80 | 20-in....\$1.90

COLDWELL PUTTING GREENS MOWER

6-blade cyl., no grass catcher | 4-blade cyl., no grass catcher 14-in...\$13.75 | 18-in...\$16.50 | 14-in...\$12.75 | 18-in...\$16.00 16-in.... 15.00 | 20-in.... 18.00 | 16-in.... 14.50 | 20-in.... 17.50

Grass Catchers for Coldwell Putting Greens Mowers

14-in \$2.00 | 16-in \$2.15 | 18-in \$2.30 | 20-in \$2.45

COLDWELL GEM MOWER

Cuts an 8 inch swath, suitable for a child or lady to nse. Made of high grade material, suitable for very steep terraces or in positions where an ordinary lawn mower cannot be employed.

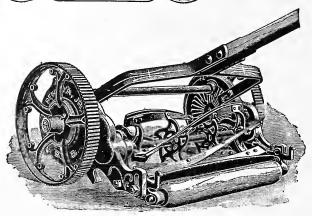
Price, \$6.00.

We can also supply all other brands of Coldwell Mowers.

THE PENNSYLVANIA LINE OF LAWN MOWERS



All blades in all mowers of this line are crucible tool steel and all castings fit accurately, insuring easy running, smooth cutting and almost noiseless action. When properly adjusted and so kept, the Pennsylvania line of lawn mowers are positively self-sharpening.



PENNA. JR. BALL BEARING MOWERS

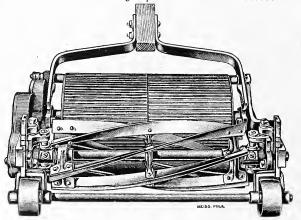
To get the best results from this machine which does exceptionally fine work, the lawn should be mowed at regular intervals. It cuts the grass shorter than the 4-bladed machine, hence requires mowing at stated periods when the grass is growing rapidly.

8-inch or low wheel, 5-blade	cylinder, 5½-inch diameter.
12-inch\$10.50	16-inch\$12.50
14-inch 11.50	
10-inch or high wheel, 5-bla	de cylinder, 6-inch diameter.
	19-inch\$20.50
17-inch 18.50	21-inch 22.50

PENNSYLVANIA LAWN MOWERS

The regulation style for every day lawns that are mowed when required

Low wheel, 8-in. diameter.	High wheel, 10½-in. diam.
12-inch\$9.50	15-inch\$15.00
14-inch 10.50	17-inch
16-inch 11.50	19-inch 19.00
18-inch 12.50	21-inch



PENNA. PUTTING GREENS MOWER

Designed for cutting wavy or undulating greens, which are very popular on some courses. It is gear driven, with a 7-inch iron roller in the rear and a wooden roller in the front, to support the machine. The mower can be set to cut as close as $\frac{7}{6}$ inch. Equipped with a 6-blade cylinder, $5\frac{1}{2}$ inches in diameter

CCCI.			
10-inch cut	\$14.00	16-inch cut	\$20.00
12-inch cut	16.00	18-inch cut	22.00
Ta-inch cut	TR 00		

PENNSYLVANIA GOLF LAWN MOWER

For putting greens and close cutting around golf courses, tennis courts, etc., equipped with high wheels like a regular lawn mower, but with an iron roller of small diameter in three sections in place of the usual wooden roller.

9½-inch, high wheel, 7 blades, ball bearing. 17-inch\$23.00 | 19-inch\$25.00 | 21-inch\$27.00

CONTINENTAL LAWN MOWERS

On a par for quality and construction with the Pennsylvania mower, geared on two sides instead of one.

High wheel, 9½-in. diameter.

Low wheel, 7½-in. diameter.

15-in. . \$15.00 | 19-in. . \$19.00 | 12-in. . \$9.50 | 16-in. . . \$11.50 | 17-in. . . 17.00 | 21-in. . 21.00 | 14-in. . . 10.50 | 18-in. . . 12.50

GREAT AMERICAN MOWERS

A double geared mower which gives fine results. 10½-inch high wheel, 5-blade cylinder, ball bearing. 15-in. ..17-in. .

NEW DEPARTURE LAWN MOWERS

9½-in. wheel, 4-blade cylinder.	
15-inch\$9.00	12-inch \$5.50
17-inch 9.50	14-inch 6.00
19-inch 10.00	16-inch 6.50
ORCHID	MOWER

High wheel, ball bearing.
14-inch ...\$6.50
16-inch\$7.00
18-inch\$8.00



PENNSYLVANIA TRIO HORSE LAWN MOWER

The advantages of a mower of this type has caused the "Pennsylvania" factory to add it to their equipment. It cuts a swath of 86 inches, is a combination of 3 light draught 30-inch mowers harnessed together, so constructed that it does not raise off the ground when the horse starts, a fault with some other makes of this type mower. The gears are housed in a dust proof case which is packed with grease, causing them to run noiselessly and free. The bottom knife casting or back is fixed and not adjustable, thus insuring rigidity and freedom from the necessity of making adjustments. The cylinder is 7 inches in diameter, equipped with 4 extra wide crucible tool steel knives hardened and tempered in oil, the wheels are 18 inches in diameter with a 2½-inch head, giving ample traction surface, and are fitted with annular ball bearings, making it an easy machine on the horses. Price \$300.00. (Extra cutting units, complete, \$80.00).

COLDWELL MOTOR MOWERS

Prices of these machines are net cash on delivery.



Type of Models F, G and H

Designed for use on large lawns of estates, parks, grounds, golf courses, etc.

Equipped with a motor, capable of propelling the mower through almost any height of lawn grass and up grades as steep as 25%. Models D and F can be equipped with Coldwell's patented demountable

cutting units. This device is an extra cutter part, composed of the revolving and stationary knives and the necessary parts to carry them, which can be removed from the machine in a few moments and replaced by the other unit, which is shipped with these models at no extra charge.

They are also equipped with a patented device for raising the knives when crossing gravel walks, roads, etc., thus protecting them from injury. Clutches are provided to throw the traction rollers, as well as the revolving cutters, in and out of gear. The workmanship and finish of these mowers is guaranteed in every respect. Prices net cash on receipt of mowers f. o. b. Newburgh, N. Y.

Model	J. 40-	inch	cutting	area.				 .\$1,	300.00
Model	F. 40-	inch	cutting	aera.				 	175.00
Model	G. 35	inch	cutting	area.				 . :	350.00
Model	H. 30-	inch	cutting	area.			.		₹00.00
	of the								
rollers	indepen	dent	of the	mow	ing fea	ature.			

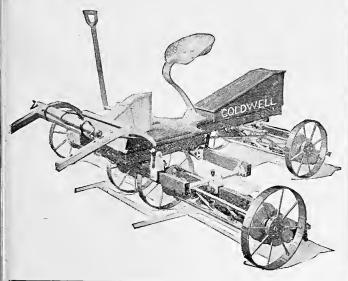
TOWNSEND'S TRIPLEX MOWERS

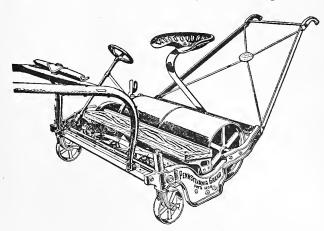
This is a combination of three mowers harnessed together, yet one horse is capable of operating the same. They are being used with splendid satisfaction on golf grounds, parks and country estates, and accomplish a vast amount of work in a short time. See illustration on page 203.

See illustration on page 203.
Cutting width 86 inches; 5 blade cylinder; f. o. b. Orange, N. J., \$260.00. (Extra cutting unit, complete, \$50.00.)

COLDWELL THREESOME MOWER

This is a gang mower or combination of 3 cutting units, which mow a swath 84 inches in width; the gears are encased and run in grease, the draught is quite easy for an average horse, and we predict for them a popular demand, especially on the golf course. where Coldwell mowers have for years made good. Price (complete), \$300.00. Extra cutting unit complete can be supplied at additional cost if desired. We can also furnish the Shawnee Gang Mower.





PENNSYLVANIA HORSE AND PONY MOWERS

Pennsylvania Regular Style

25-in. Pony, with wooden rear roller, 4-blade cylinder\$32.50
25-in. Pony, with wooden rear roller, 6-blade cylinder 38.50
30-in., with draft irons only
30-in., with seat and shafts and side draft attachment 77.00
38-in.; with draft irons only
38-in., with seat and shaft and side draft attachment 97.00

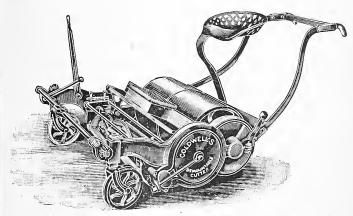
Pennsylvania Grand Horse Mower

30-inch	cut,	with	draft	iron,	110	seat	or	shaft	s				70.00
38-inch	cut,	with	draft	iron,	no	seat	or	shaft	s	. .			92.00
30-inch													
38-inch													
The	abov:	e pric	es ar	e for	4-bl	lade	mov	vers;	if	6-bla	ade	mo	owers

The above prices are for 4-blade mowers; if 6-blade mower are desired, add \$8.00 to the price of each machine.

Philadelphia Horse Mowers

		shafts	
		shafts	
		shafts	
We can also	furnish all oth	er styles of Philadelphia	Horse
Mowers.			



COLDWELL HORSE AND PONY MOWERS

25-in. (Pony Style) \$40.00	35-in., sea
30-in., with draft irons 65.00	40-in., wi
30-in, seat and shafts 70.00	40-in., sea
35-in., with draft irons 80.00	

35-in., seat and shafts...\$85.00 40-in., with draft irons..110.00 40-in., seat and shafts...115.00

Note.—The above prices are for 4-blade cylinders; if the blades are desired, add \$6.00 to the price of each machine.

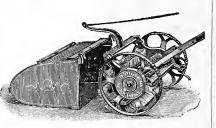
SPECIAL NOTICE

Owing to the unusual conditions prevailing, all prices are subject to change without notice.

MICHELL'S LAWN AND FIELD IMPLEMENTS

APOLLO LAWN CLEANER

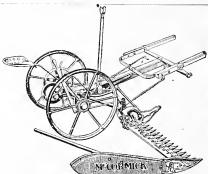
For sweeping lawns, paths, putting greens tennis courts etc. The revolving brush gathers up the smallest particles, leaving the surface swept very clean. The sweeping area is 28 inches; equipped with rubber tired wheels, which makes them almost noiseless in operation. Price, \$18.00.



Apollo Lawn Cleaner

McCORMICK MOWING **MACHINES** Gear Drive

These are now largely used for cutting on golf courses and large lawns, thus doing the preliminary work for the regular horse lawn mower. They are also equally well adapted for hay cutting.



41/2 and 5 ft. cut, vertical bar, 2-horse machine....) Prices on



LINK'S LAWN BOOTS For Horses

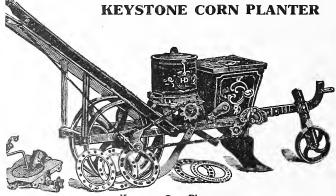
Made of very heavy sole leather, waterproofed and finished black. The sole is reinforced with steel rivets, which make the boot last twice as long as it ordinarily would.

No. 2-51/2 inches inside. No. 4—6½ No. 6—7 Price, per set of four, \$10.00.

Special Size Horse Boots made to order. Place the horse's feet on a blank paper, drawing a pencil around it to show size.

MICHELL'S LEATHER LAWN BOOTS

Substantially made of best quality black leather in 3 sizes, so that the average horse can easily be fitted. In ordering horseboots send a sketch of I hind and I front foot of the horse, which can best be obtained by placing paper and drawing a pencil line about it. \$10.00 per set of four.



Keystone Corn Planter

This is operated with one horse, and will plant from 10 to 12 acres per day in either hills or drills, as desired. Equipped with a Fertilizer Attachment, which operates very accurately. It will also plant peas, beans, mangels, or other seeds, when equipped with proper regulating rings which we can furnish at 25c. each. Price, complete, without extra crop rings, \$16.00.

PENNA. LAWN CLEANER AND RAKE



There is no equipment that can take the place of this indispensable apparatus; the name "comb and brush for the lawn" has often been applied to it. The flexible rakebars are of wood, with steel springs and teeth, they rotate just like a lawn mower cylinder and clean up every particle of leaves, mown grass, litter or rubbish, throwing it into a receptacle or bag in the rear, which is of large capacity. This can be detached and emptied at will. 24 inch rake...\$16.00

36 inch rake... 25.00 Phila. Horse Lawn Sweeper. 40 in. width......\$80.00

SOD PERFORATOR

A convenient implement for use in loosening soil where grass is worn out, without actually disturbing the turf bed. The space to be seeded with grass can be made with this device into a perfect seed bed, which will mean a quick growth of grass, after the seed is sown. It is used like a tamper, its own weight being sufficient to properly perforate the ground. Price, \$3.50.



SOD TAMPERS

When laying sod it is necessary to properly firm it down, so that it will take new root quickly. It is also convenient for firming the soil or lawn on places where a roller cannot be used; made of iron with wood handle, 12 inches square; weight, 20 lbs. Price, \$1.50 each.

RUBBISH BASKETS



Rubbish Basket

On all large places, on the lawn, in flower and vegetable gardens, a basket for gathering up rubbish and litter will be found a great convenience, especially when it is suited for the purpose. This basket holds 3 bushels and can be carried or wheeled from place to place on a barrow. Price, with rope handles, \$2.00 each.



Michell's Lawn and Golf Ground Tools

BARREL TRUCKS, Etc.

The price below includes barrel and truck. The latter is constructed so that the barrel may be detached quickly and the leaf rack or stone box may be attached.



I1/2 inch	tire	truck,	all iron	wheels,	with barr	el	12.00
21/2 - "			"	**	**		13.00
31/2 "	"	"	4.	"	"		14.00
Extra Barrels, with trunnions, open head							
Stone B	oxes	for a	ttaching	to the a	bove trucl	š	4.00



KEYSTONE LEAF RACKS

This new device can be used on wheelbarrows with removable sides. Convenient for gathering leaves, cut grass and rubbish. Has a capacity of 10 bushels; made of galvanized wire, bolted to a wooden base. Price, not including wheelbarrow, \$5.50.

WIRE LEAF RACKS

Excellent for gathering leaves, litter, grass, etc. They can be attached to a water barrel truck, as shown above, instantly. The illustration opposite shows the old style wooden rack which has now been superseded by the wire and metal frame construction thoroughly galvanized,



Leaf Rack	only, no truck	\$6.50
66	with 1 %-inch truck	13.75
••	with 2½-inch truck	15.00
"	with 3½-inch truck	16.50

WHEELBARROWS (For Farm and Garden Use)



The measurements of barrows are understood viz.: length, meaning inside length of body; depth, inside depth at front; width, outside width at handles.

The "Eastern" Style garden barrow as shown in illustration is substantially built, carefully braced and bolted, just the kind of a barrow you would expect to give you long, faithful service.

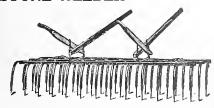
N	o. Tire in.	Length In.	Depth In.	Width In.	Price.
Eastern 3	I 1/2	28	II	22	\$4.25
" 4		261/4	111/2	27	5.50
5		281/4	113/4	27	6.00
(boys' size) 2	2	213/4	$9\frac{1}{4}$	20	3.50
Canal—Side dun	np (bolted)				. 3.75
Special Greenho	use Style w	ith narro	w body a	and handl	le
widths				. 	. 6.00

SPECIAL NOTICE

Owing to the unsettled market conditions, all prices in this catalog are subject to change.

KEYSTONE WEEDER

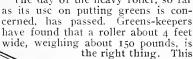
Surface cultivation among young growing crops is of great value. It stirs the soil, keeps down weeds and prevents evaporation of moisture. It can be adjusted to cover a 7½-foot stretch or graduated down to a 2½-



The Keystone Adjustable Weeder.

foot stretch. Any of the teeth can easily be removed, if it is desired not to cultivate very finely. The teeth are narrow, go into the soil easily; do not cultivate deep, like other machines. This tool is excellent for preparing a piece of ground prior to sowing lawn seed, etc. Equipped for one horse, Price, \$10.00.

PUTTING GREENS ROLLER The day of the heavy roller, so far as its use on putting greens is con-



is designated as a Golf Greens Roller. It is evenly surfaced

and will not leave a mark or ridge on the greens. Should be used every few days

during Spring and early Summer and again in the Autumn. Made of wood in sections. \$17.50.

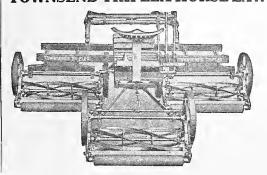
GEM SPRINKLING CARTS

This can be used for a multitude of purchief poses, among which is the sprinkling of Roads, carting water for live stock or for planting pur-poses. When poses. When used for the latter, a spigot! can be attached to the tank for letting out the water, as required. W i 11 sprinkle an area



18 feet wide; 150 gallons capacity; 4-inch tire wheels. Price on application.

TOWNSEND TRIPLEX HORSE LAWN MOWER

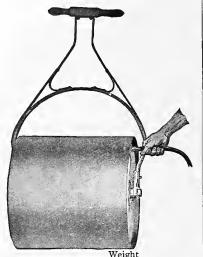


Described and priced on page 201.

204 MICHELL'S LAWN, FIELD and ROAD ROLLERS, Etc.

MICHELL'S WATER BALLAST ROLLERS

The proper roller for most any occasion; fill it with water, which will weight it up to any number of pounds desired, as shown below; can be had in one or two sections, according to style selected. Equipped with counter balanced handle weights, which always keep the handle in position ready for use; ball axle bearings. The two section The two section roller is desirable on account of its not disturbing the turf or ground when being turned while all edges are beveled.



No.	Sec-	Diam.	Width	Weight Empty	filled wit Water	
603	I	24	24	180	525	\$14.80
604		24	32	200	665	16.40
605	2	18	24	175	395	15.60
606		24	32	230	650	20.40
We can also	supply	other	sizes	of Water	Ballast	Rollers.

BOSS HAND ROLLERS

Deservedly one of the most popular makes of iron rollers, the handles are carefully balanced. The variety of sizes and weights enable an e a s y selection while the edges are beveled to prevent the road, path or lawn from being torn up while turning.



In. No. Díam.	In. Wide	Sec.	Lbs. Weight	Price	In. No. Diam.			Lbs. Weight	rice
115	15	2		\$8.35	820	30	3	350	\$19.00
215	22	3	200	11.00	924	20	2	400	21.50
320	16	2	225	12.50	1024	24	2	450	24.25
420	20	2	250	13.75	II24	24	3	450	24.25
520	20	I	250	13.75	1224	30	3	500	27.50
620	24	3	300	16.25	1328	24	2	500	27.50
7 20	24	2	300	16.25	1428	24	3	500	27.50

BOSS HORSE ROLLERS

			For	r Law	n and	Golf	Grou	nd L	Ise.		
	Diam.						Diam.	Lgth.	Sec-	Lbs.	
No	o. In.	In.	tions	Weight	Price	No.	In.	Īn.	tions	Weight	Price
40	24	30	3	650	\$45.00				3	800	\$54.00
41	24	40	4	800	53.00	44.	28	40	4	1000	65.00
42	224	50	5	950	60.00	45.	28	50	.5	I 200	75.00
				For	Land	or Fi	eld U	se.			
	Diam.	Lgth	. Sec-	Lbs.			Diam.	Lgth.	Sec-	Lbs.	
	o. In.	Ft.	tions	Weight	Price	No.	In.	Ft.	tions	Weight	Price
	24	5	5	1450	\$64.25		28		6	1950	\$85.75
	528	4	4	1350	62.50		32	4	4	2200	100.00
- 66	28	5	5	1650	73.50	1 60.	32	ζ.	- 5	2600	115.00

These are the invention of a practical amateur gardener, who has spent much time and labor in perfecting them. Each tool is fitted for particular work and performs the same to perfection.

MEHLER HANDY GARDENER. For cul-



Handy Gardener

MEHLER HANDY SCRAPER. was originally designed as a dropping-board scraper in poultry and pigeon houses. It gets in the corners easily and has a sharp crimped edge on the upper side, which is used to loosen up any hard substance. It is also suited for a variety of other work around the farm or garden. Price, 75c.





MEHLER HANDY HOE. This will do what any half-moon and square hoe will accomplish. It has a wide side and a narrow side, while another part of it will answer as a rake to pulverize the soil. \$1.00. Price, Please Note .-Mehler Garden Tools cannot be sent by Parcel Post.

Mehler Hoe





Mehler Edger



MICHELL'S HORTICULTURAL AND AGRICULTURAL TOOLS, Etc.

LAWN MOWER OIL



Pure oil that will not gum or get sticky is an essential for the satisfactory running of every mower. The oil sold by us has been selected with this point in view.

Prices: Per pint, 15c.; 25c. per quart; per ½ gal., 40c.; 75c. per gal.; 5 gals., \$3.00.

Lawn Mower Oil cannot be mailed



OIL CANS

No.	P. P. Wt. 8 c	
	Zinc\$	0.25
1113,	Bronzed	
	steel	.30
	Brass	.45
016,	Bronzed	
	steel,	
Lo	ng Spout .	.50

EMERY

For sharpening Lawn Mowers. Price, 18c. per lb.; 10 lbs., \$1.60.



FLAT FILES

	For	sharpening lawn mowers, etc.	
		P. P. Wt.	
		8 ozs.	\$0.25
			.30
12	inch	1 lb.	-35



SCYTHES American. Little Giant. 32 inch......\$1.15

A		J	
"		34 "	1.25
" "	. 44	36 "	I.35
Little Giant E	Brush or	Briar	1.25
The Little	Giant is	the best	American-
made scythe.	It is ex	cellent fo	or field and
heavy grass w	ork.		
English, 32 in.	, rivet ba	ck, Lawn	Style. \$1.40
" 34 "		"	" . 1.50
" 34 " " 36 "	66 66		" . I.6o
" 38 "	44 44		" . 1.65
The English	h Scythe	es are be	est for fine
grass or lawn			

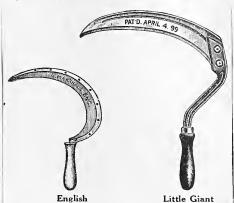
SCYTHE STONES

	Each	Doz.
Talacre, Style (American).	.\$0.25	\$2.50
Darby Creek	15	1.50
Carborundum. Very fine	30	3.00



SCYTHE HANDLES, Etc.

SCITIE MANDLES, Etc.
No. 50. Made of hard wood, well finished.
Regular Scythe style\$1.00
Snath Clips



SICKLES or GRASS HOOKS

SICI		UI C	THE PR	S		CO		
English	Rivet 1		No.	3		60.65		
"	"	46	64	2		.55		
"	1.4	"	**	I		.55		
"	Solid	"	"	2		.50		
					inable now			
Dutch large, No. 2, unobtainable now.								
Little (Giant					.50		
. Gr	ass Ho	oks a	re n	ot	mailable.			

LAWN BORDER SHEARS

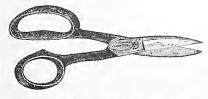


LAWN BORDER SHEARS



GRASS SHEARS

	No.	P. P. W	τ.
	012. 6 ii	nch, American2 lbs.	\$1.00
	012. 7	"2 lbs.	1.25
	119. 71/2	" Saynor 2 lbs.	2.00
l	120. 71/2	" "	1.75
	0267. 6	" American2 lbs.	
	050. 51/2	" 2 lbs.	.60
	263. 5½	" Trowel Shank2 lbs.	35



WIRE AND TIN SHEARS

7½ inch, used for cut flower wire, etc.\$0.75
8 inch, used for cut flower wire, etc. .75
Parcel Post Weight, 1 lb.
10 inch for heavy wire and tin...... .90
Parcel Post Weight, 2 lbs.



CUT FLOWER GATHERER

Cuts the stem and holds it without crushing. The heel of the blades cuts thin wire. No. 177, 6 in. long, unobtainable at present.

FLOWER SCISSORS

No. 1922. Cuts flower and holds the stem. Nickeled, \$1.10. P. P. Weight, 4 ozs.

GRAPE SCISSORS

			P. P. Wt.	
No. 6148.	6	inch	8 ozs.	\$1.20
No. 6148.			8 ozs.	1.25
No. 6148.	7	"	8 ozs.	
No. 6148.	8	"	8 ozs.	1.50



CROSS CUT LOG SAWS

Great American style, of best steel.
One Man, 3½ ft. bladc\$2.25
Two Man, 5 ft. blade2.75



CARPENTER SAWS

When ordering state if rip or cross cut is wanted.

Disston No. 8—26 inch blade\$2.00

Disston No. 8—28 inch blade 2.25



BUCK SAW

Each\$1.00

206 MICHELL'S HORTICULTURAL AND AGRICULTURAL TOOLS



	нмз.	3-i	inch								. :	0.55
	HM4.	4	**			٠.						.60
+4	HM5.	5	"	٠.								.65
44	HM6.	6	* *									.70
44	HM7.	7	"									.75
4.6	НΜ8.	8	"									.80



No. Go6	. 6	inch,	solid	shank	\$ 0.65
" Go7	. 7	66	44	"	 .70
" Go8	. 8	"	"	"	

SQUARE CELERY HOESNo. 010, 10-in. .\$1.00 | No. K14½, 14-in.\$1.50

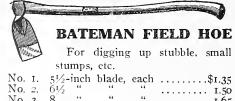
Will be found very valuable in weeding in narrow rows.



No. 2P. Price.....\$0.55

Excellent tools for making drill preparatory to sowing of seed. The backs can be used for covering.

No. W7\$0.75 | No. W8\$0.85





No.41. Avoids kneeling when planting. Made of best steel. Price, 75c.



SCUFFLE HOES

 Made of best English steel.

 4-inch
 \$0.60
 7-inch
 \$0.75

 5-inch
 .65
 8-inch
 .80

 6-inch
 .70
 Io-inch
 I.10

 Handles for Scuffle Hoes.
 15c. each extra.



THE HILTON HOE

This is the best garden hoe for weeding ever offered. It works both ways and there is no lost motion, does very quick work. 8-inch blade.

Price\$0.80

BRUSH OR BRIAR HOOK

No. 43. Steel cutting blade, long handle. Price\$0.75



STEEL HEDGE KNIVES

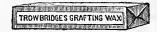
For cutting heavy brush, shrubbery, hedge, etc. Made of the finest steel with a slight hook on blade. Each, \$1.25.



ENGLISH BILL HOOKS



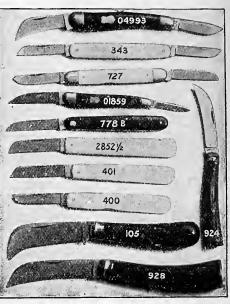
GRAFTING TOOL



GRAFTING WAX

1/4 lb., 10c.; 15c. 1/2 lb.; 1 lb., 25c.; \$1.10 per 5 lbs.

Our Garden Tool Department we believe to be the most fully equipped of any seed store in the United States. Most every tool of real merit for garden work will be found here, and of the best quality.



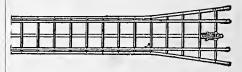
HORTICULTURAL KNIVES

A good knife is an essential to every gardener and florist. Our stock consists of such styles that are practical and in demand. They are all of the best steel, every one is guaranteed to be perfect and give good satisfaction. (See key to illustrations in above column.)

Style Handle Fach

No Blades

	IVO. DIA	uc.	Style Handle Bach
	343	2	Saynor, brass lined, ivory\$2.25
	727W	2	German, brass lined, white. 1.00
	04993		German, steel lined, ebony 1.00
	400		Saynor, not lined, ivory 2.00
I	401	I	Saynor, not lined, ivory 1.75
	28521/2	I	German, not lined, bone 1.00
	928	I	English, steel lined, stag 1.75
	924	I	English, steel lined, stag 1.25
	778B	I	German, brass lined, ebony75
	105	I	Heavy German, steel lined,
			cocoa
	303		Saynor Pruning, stag 1.50
	01859	2	Budding and Pruning85



EXTENSION LADDERS

These are made in the best manner possible, are complete, being equipped with the necessary rope and pulleys.

16	ft\$4.80	26	ft\$7.80
18	ft 5.40	28	ft 8.40
	ft 6.00		ft 9.00
	ft 6.60		ft 9.60
24	ft 7.20	34	ft10.20
	36 to 44 ft. size	at 28	c. per foot.

SINGLE PLANK LADDERS

Made of good hard wood, free from faulty knots; with perfect rounds.

0	ft\$2.50	16	ft	\$4.00
2	ft 3.00	18	ft	4.50
4	ft 3.50	20	ft	5.00
	Larger sizes up to	o 24 f	t. at 25c. ft.	

MICHELL'S LAWN AND GARDEN TOOLS, Etc.

GARDEN -REELS

Small, Single ..\$0.60 Medium, Single .85 Large, Single... 2.00

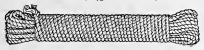
Large, Double.. 2.75

GARDEN LINE

Best quality cotton braid woven closely.

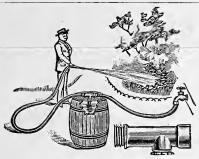
100 ft. hanks\$1:00 200 ft. hanks 1.90

200 ft. hanks 1.90 300 ft. hanks 2.80 Plow Line Cotton, 45-ft. hanks, 60c.



Single Garden

Reel



LIQUID MANURE DISTRIBUTER

This can be attached to hose with which you are watering and, connected with a barrel of liquid manure; the suction of water will draw a quantity of manure with it. All brass,

Price, \$2.00 each. (Parcel Post Weight, 2 lbs.)



STELL PLIERS

No.						P. 1	P. Wt.	
1133	Side	cutting						
1133	4.6	**	7	in		I	1b.	1.00
1195	46	44	Βι	itton	8	in 1	1b.	.60

No. 15 HUSKING PINS



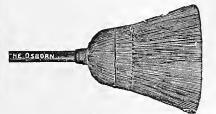
Made entirely of metal and can be adjusted to fit any sized hand. 20c. e a c h; per doz., \$2.00 P. P. Wt., 4 ozs. each.



CORN KNIFE

No. 42. Eureka, bent blade......\$0.50

Parcel Post Weight, 2 lbs.



BROOMS

Each



Rattan Broom

ROAD BRUSHES (With Handles)No. 271. Rattan Push, 14 in. (see cut)\$0.85

No. 0286. Bass or Cocoa Push, 14 in. .85

TREE OR BARK BRUSHES

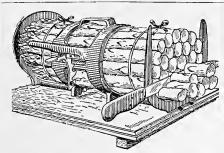
For brushing down trees, for removing

For brushing down trees, for removing insects, borers, etc., made of steel.

Price, 8½-inch, 35c.

WHITEWASH BRUSH

No. 8. Very best quality made. 7 in., each, \$1.35. P. P. Wt.



ASPARAGUS BUNCHERS

Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tied and looks uniform.

Price, with Knife Guard, \$2.00. Parcel Post Weight, 7 lbs.

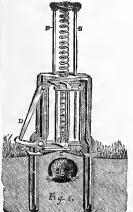


ASPARAGUS KNIVES

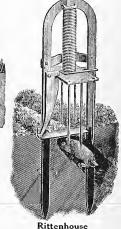
No. 45. **Batemans** (see cut)......1 lb. \$0.40 399. **American.** V-shaped blade 1 lb. .50



Tree Scraper



Olmsted



English, for hot beds...\$0.45

Parcel Post Weight, 2 lbs.

Olmsted I.75

Rittenhouse ...\$85

Reddick ... I.25

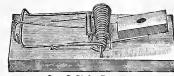
P. P. Wt. of the above, 3 lbs.

Complete Booklet on the Habits of the Mole mailed free, or included with each Mole Trap if asked for at time of ordering.

HOW TO CATCH MOLES

Always press down the mound when setting the trap so that the lever which sets off the trap is level with the ground. Set the trap in the evening as moles usually stir about very early in the morning.

Reddick



Out-O-Sight Rat Trap

OUT-O-SIGHT TRAPS

P.P.Wt.
Set off at the least vibration.

The most satisfactory mouse and rat trap.

Set off at the least vibration.

10	.00	
----	-----	--

TREE SCRAPERS

For removing loose bark from trees prior to spraying. Steel blade may be detached and sharpened. No. 5, short handled, 75c., *Parcel Post Weight*, 1 *lb*. Long handled, \$1.25. Not mailable.

²⁰⁸ Michell's High Grade Horticultural and Agricultural Tools

PLEASE NOTICE

Owing to the unusual conditions prevailing all prices are subject to market changes without notice, though we will do our utmost to avoid advancing prices.



SPADING FORK

Strapped shanks, short or D-wood handle. Made of best quality steel.

 No. OHW. Men's, 4 tine
 \$1.25

 No. O5HW. Men's, 5 tine
 1.35

 No. B4D. Boys' or Ladies', 4 tine
 .70



MANURE FORKS (Strapped Shanks)

NO.	Trice
04W-4 tine, light, short handle	
163 —4 tine, heavy, short handle	
o5W-5 tine, medium, short handle.	
o6W-6 tine, medium, short handle	
044 ¹ / ₂ —4 tine, long handle	.90
054½—5 tine, long handle	1.20



STEEL HAY FORKS

Equipped with strapped shanks. 2 Tine 3 Tine 5-ft. handles.\$0.80 6-ft. handles. .90 No. 025 No. 035.\$0.90 No. 036. 1.00 No. 026. No. 027. 7-ft. handles. 1.00 No. 037. 1.10



ENGLISH DIGGING FORK No. EB4

Though made in America, it is made exactly after the pattern of Garden Forks such as are made and used in England. The prongs are solid steel and square instead of rounded edges, which adapts it especially for digging in heavy soil, in which it works with ease. Every gardener should add one of these to his collection of tools, as we know it will give him splendid satisfaction. \$1.75 each.



SHOVELS

We handle only the very best makes of steel shovels. Every one is guaranteed to give entire satisfaction.

Short Handle	
Ames, round point	.\$1.50
Ames, square point	. 1.50
Maynard, solid socket, square point.	. I.50
Maynard, solid socket, round point.	. I.50
Imperial, round point	. I.25
Imperial, square point	. I.25



IMPLEMENT HANDLES

A	Each
Axe	\$0.25
Spade, plain	.40
Fork Spading, plain	.40
" Manure " short	.40
" " long	.30
" Hay "	.25
" Boys' "	.30
Shovel, short "	.40
" long "	.30
Spage, sport.	.40
long	.30
пое	.15
Rake, Garden	.15
Lawn "	.15
rick of Mattock	.30
12 foot Poles	.60





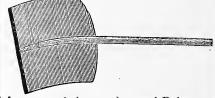
SHOVELS (Long Handle)

Ames, round point	
Imperial, round point	1.25
Imperial, square point	1.25
Featherweight, 41/4 lbs., round point	1.35
Maynard	1.50



STEEL SCOOP SHOVELS

All equipped with strapped shanks, wood D or short handles. No. 2, 10 inch mouth\$1.00 3, 11 4, 11½ " 5, 12 I.30 6, 13 SNOW SHOVELS



Adams, wood	(see	cut),	wood-D	han-
dles				\$0.6
Phillips, wood,	long	handl	e	



REDDICKS POTATO SCOOP

Made of heavy steel wire.....\$2.00



STEEL HAMMERS Price, 75c. each



STEEL SPADES

Ames	\$1.50
Maynard	. 1.50
Imperial	L.25
Long Handle	T 25
Nursery	2.00
Drain	2.00
Boys'	1.35
Boys'	.85



GARDEN SETS

For ladies and children, in fact they are suitable for the country gentleman, consisting of I hoe, I rake and I spade. No. 3PF. Large size, per set, \$1.25.



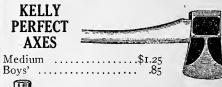
ENGLISH TURF IRON No. 275

For lifting sod and turf. Best steel; will last a lifetime. \$5.00 each.



AMERICAN TURF OR SOD LIFTER

A convenient device for lifting sod; steel blade, with an 18-inch steel shank and wood D handle. Price, \$1.00 each.





HATCHETS

F. R. Plumb, heavy...\$0.85

MICHELL'S GARDEN AND GREENHOUSE TOOLS





No. 1 ENGLISH WEEDING FORK

Very similar to the Eureka, except that it is heavier and of better quality. If you want a weeding fork that will last a lifetime, buy this one. Price, \$1.00

Parcel Post Weight, 2 lbs.





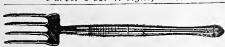
No. E Eureka Weeder, 30 Cents Parcel Post Weight, 2 lbs.







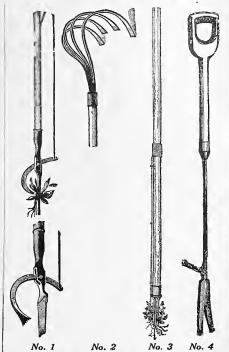
Hazeltine's Hand Weeder, 25 Cents Parcel Post Weight, 1 lb.



No. 1792 English Steel Weeder, 60 Cents Parcel Post Weight, 3 lbs.

MEHLER HANDY HOE

A hoe, rake and edger, all in one; has been thoroughly tried and found successful. \$1.00 each. Not mailable.



WEEDERS, Etc.

No.	Ι	Cleveland	i
No.	2	Yoder Long Handled	ŀ
No.	3	Champion	
No.	4	Heavy Dock Lifter 2.50	

IDEAL DANDELION EXTRACTOR

This simple device is the best thing of its kind ever used for taking weeds out of the lawn. It will be seen that it is not necessary to get down on hands and knees to operate it. The cutting blade of the best steel, equipped with a convenient handle, so that either man, woman or child can use it; 35c. each.



GARDEN AND LAWN TOOLS

Our house makes a specialty of these, and carries probably the largest assortment in practical styles to be found anywhere; the quality is only the very best obtainable and we can readily say our garden and lawn tools give splendid service.

SPECIAL NOTICE

On account of unusual market conditions all prices are subject to change without notice, although we will do our best to avoid any advances.



No. 211 JOHNSON STEEL TROWELS

These are made of one piece steel blade and shank, equal to the imported trowels.

P. P. Weight
5 in... I lb. \$0.45 | 7 in... I lb. \$0.65
6 in... I lb. .60 | 8 in... I lb. .75



D. S. T. STEEL SHANK TROWEL

These are somewhat long in blade and handle, making a very practical tool. 6-in. blade. Will last a lifetime. 65c. each. Parcel Post Weight, 1½ lbs.



No. 217 CLEVES' ANGLE TROWEL

For getting dandelion, plantain and other weeds out of the lawn and transplanting.

• •	ccao	000	0 2 0	 	er our pro-	
					Weight	Each
5	inch	ı .		 	ı Īb.	\$0.15
5	inch	١		 		.20
7	inch			 	ı lb.	.25



No. 1795 LONG HANDLED ENGLISH TROWEL

Just the thing that prevents kinks in the back. 50c. each. Parcel Post Weight, 2 lbs.

MISCELLANEOUS TROWELS

	Weight	Each
No. 213—5 in		\$0.10
No. 213-6 in		.12
No. 5—6 in	, heavy steelilb.	.25

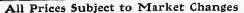
MEHLER GARDENER

An entirely distinct tool, avoids bending the back, works closer to the plant than any other device. No hoe is needed where this is used, just the thing for working among flower and vegetable plants. 75c. each. Not mailable.



DIBBLES—For Planting Bulbs, etc.Equipped with wooden handles.
Weight

No. 2180. Brass point. 1 lb. \$0.75 No. 218. Iron point. 1 lb. .40



²¹⁰ MICHELL'S LAWN AND GARDEN TOOLS



STEEL GARDEN RAKES

Made of best cast steel, with long teeth for penetrating the ground.

No.	Tooth	No.	Tooth
6	6 \$ o .50	12	12 \$0.60
8	8 50	14	14 65
IO	1055	16	16



STEEL GRAVEL RAKES

These rakes are used for road-making and for paths. Having very short teeth they do not gather up stones or gravel.

	Tooth		Tooth
G 12	12\$0.5	5 G 16	16\$0.75 1880
G 14	1470	o G 18	1880
	No. 20 20	tooth	\$0.90



STEEL BOW RAKES

Preferred by many to the regular garden rake. The teeth are slightly bent toward the operator.

No.	Tooth		No.	Tooth	
Вп	II	.,\$0.65	В 13	13 .	\$0.70
	B 15	15 too	th	\$0.	75



WIRE LAWN OR GRASS RAKE

Made of heavy tinned steel wire. These are excellent for lawn or walk work. The rake is reversible. Can be used on both sides.

No. 2046—46 teeth, for putting greens, 75c. No. No. Tooth Tooth 124 R 24 ...\$0.50 | 36 LR 36 . .\$0.85



AMES WOODEN RAKES

37X. 24 tooth, steel bows. For lawns. \$0.85 No. 30X. Ames 14 tooth hard wood bow rake for Hay and field use....\$0.55 20 tooth, Lawn, wire braced.......... .35



OLE OLSEN LAWN RAKES

This rake head is slightly curved from the centre to each end which does not allow any material that has been caught by the teeth to slip around the edges.
26 tooth, hickory wood. Price, 60c.



DAISY RAKE No. 9

For removing dandelion and other obnoxious growth from lawns. English steel. 16 tooth\$4.00 | 20 tooth\$4.50



LAWN KING RAKES No. 210

Made of best hard wood, thoroughly braced with iron. The most excellent wooden lawn rake in the market.

22 tooth\$0.40 | 38 tooth 50 tooth\$1.00



AUTO LAWN RAKE No. 205

This rake is fitted with an unloading head. While raking this head lies forward, and upon pressing the rake forward the unloading head moves backward, cleaning out the raking head entirely.

26 tooth\$0.60 | 38 tooth\$0.90



MARKING RAKES

These are for marking out garden rows; adjustable brass teeth, which are set for any width row desired up to 41/2 ft. Price, \$5.50. (Extra teeth, 50c. each.)

HOE AND RAKE

(COMBINED)

An excellent tool for ladies, combining simplicity and utility. Made of the very best steel, which will outlast several cheaper tools of the same class.

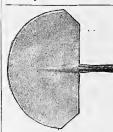
No. 4P. 4-prong\$0.60 No. 6P. 6 "70





LAWN SHOVEL AND EDGER

The most perfect tool for cleaning out and edging up the sides of cement walks. This is the only tool of its kind found so far to be practical. It is made of the best steel, is very sharp and can be resharpened readily when dull. Price, \$1.00 each.

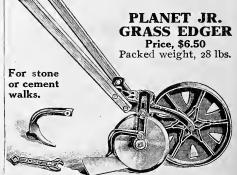


cluded in the above price.

EDGING KNIVES

For trimming edges of paths, etc.

Mehler Edging Tool\$1.00



With the Planet Jr. Edger you can cut the turf symmetrically with charming effect, at the speed of a walk. In edging cement or flagstone walks, the Planet Jr. Edger cuts out a small "V" shaped piece of turf, leaving a uniform finish to the walk, the last word in neatness and beauty By a simple change the tool may be used either for cement, brick, stone, or gravel walks and drives, or for flower beds. It can be set to allow the wheel to run either on the walk or on the grass. Use after rains.

PRUNING SHEARS, Etc.

Our pruning shears are procured from the most reliable makers in America and Europe and all but 1401½ are fully guar-



		WISS F FUILIII	g Shears	
No.			P. P. Weight	Each
109	Wiss,	8 in	2 lbs.	\$2.25
60	Pexto	American	2 lbs.	.75
65	**	"	2 lbs.	1.00
165		"	2 lbs.	1.25
R165	* 5	61	2 lbs.	1.50
R 70	16	"	2 lbs.	1.50
R170	"	"	2 lbs.	1.75

Charles Market	
No. P. P. Weight	Each
88 Hessenbruch, 8 in2 lbs.	\$1.25
1537 German, 8 in2 lbs.	.65
14011/2 German, 61/2 in2 lbs.	.50
14 Nickeled, 6½ in1½ lbs.	1.00
Perfection, 8-in	2.25
o American	.40
Spiral Springs for any of the above	
ing Shears. 10c. each; per doz.,	\$1.10.
P. P. Weight, per doz., 1/2 lb.	



FRENCH PRUNING SHEARS

These have a distinct, very easy working, spring and are desirable for one whose hand is liable to fatigue when pruning.

	Weight	Each
No. 1542 7 inch	. 2 lbs.	\$1.25
No. 1542. 8½ inch	. 2 lbs.	1.50
Springs for French Pruning	Shear	25



No. 23 LEVIN PRUNER

The handle of this shear affords a great deal of leverage, which makes very easy cutting possible. Price. 75c. Weight, 2 lbs.



LEATHER PRUNING GLOVES

-	P. P. Weight	Pair	
	ı lb.	\$2.00 2.50	
with	gauntlets 1 lb.	2.50	

FLY NUTS (Postage free)



Buckskin

Buckskin, v

For Hedge Shears 30c. each. The Fly Nut feature of a hedge shear enables the wear 14 to be taken up instantly by merely tightening the same.

Notice. If goods other than Seeds are desired by Parcel Post please allow for mailing charges.



Perfection Shear

PERFECTION PRUNING SHEAR

A splendid style of pruner, made of the best French steel, 81/2 inches, weight, 2 lbs., a shear that will appeal to every gardener, \$2.25.



Disston's Little Giant Pole Pruner

Disston's Little Giant Pruner and Saw

Disston's Little Giant. Pruner\$1.25 Parcel Post Weight, 31/2 lbs. Disston's Little Giant. With saw at-

tachment (see cut) 1.75 Parcel Post Weight, 4 lbs.
The above prices are for Pruner without

rope or pole.



TELEGRAPH TREE PRUNER

This has a removable blade which can be renewed when worn out for 25c. Price, plain as in cut, \$1.00.

Parcel Post Wt., 2 lbs.



WATERS TREE **PRUNERS**

With removable cutting blade and pole complete. 4 feet.....\$0.80

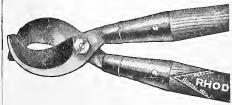
"90 8 I.IO 10 I.25 1.35 12 1.60 Extra Blades for Waters Pruners,

25c. each. None of the above Tree Pruners except the Waters are equipped with poles or rope. POLES for Tree Pruners.

12 feet long, 11/4 inches diameter \$0.75 1.00 I 1/2 " 11/2 16 1.25 Waters Pruners are not mailable.

LOPPING SHEARS

These are used in trimming trees and for cutting heavy hedge that the regular hedge shear will not cut.

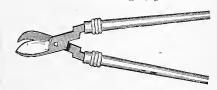


RHODES DOUBLE CUT

For trimming trees, bushes, heavy shrubbery, etc.

Makes an absolutely clean, perfect cut, the blades are concaved at the cutting edge, producing with the handles an enormous leverage. They are the easiest operating leverage. They are the easiest operating Lopping Shears ever made or sold. 24-inch and 28-inch handles. State which are wanted when ordering. Price, \$3.00.

Parcel Post Weight, 5 lbs.



No. 109 ENGLISH LOPPING SHEAR

4-in. cut, made of the finest English steel, has great cutting power; will sever heavy branches readily. Price, \$4.00.

No. 1 Clyde Lopping Shear 25 inches

long, a splendid medium-priced tool, made of good steel, weight, 5 lbs.; 11/2-in. jaw.

Price, \$1.25.

No. 2 Clyde Lopping Shear 26 inches long, weight, 5 lbs. This shear has a straight jaw so that it will handle a limb up to at least 21/2 in. diameter, fitted with an adjusting nut to keep it tight. Price, \$2.25.



DISSTON PRUNING SAWS

_		2		P. P. Weight	Each
18		Double		2 lbs.	\$0.90
20		• •		2 lbs.	1.25
16	44	Single	edge	2 lbs.	.80
18	44	44	"	2 lbs.	.90
20	44	"		2 lbs.	1.10
22	"	"	"	2 1bs.	1.35
				_	



CROSS CUT LUMBERING SAWS

Each One Man. 3½ ft. (not mailable)...\$2.25 Two Man. 5 ft. (not mailable)..... 2.75

SOMETHING NEW TARGET BRAND TREE PAINT

A splendid preparation for painting tree wounds made by pruning, etc., in tree surgery work this will also be found of great advantage; apply with a brush. I qt., 60c.; per gallon, \$1.25; 5 gallons, \$5.50.

MICHELL'S HORTICULTURAL AND AGRICULTURAL TOOLS



No. 8 POSTHOLE DIGGER

(See Cut)

This bores a hole 31/2 ft. deep and can be adjusted in diameter from 8 to 14 inches. It can be emptied instantly, it is made of the finest steel and a man with one of these can do 3 times as 101-8 much work as with an IOI-Q ordinary digger. \$3.50 101—10 "

No. 15 Eureka 101-12 " Post Hole Spades.

All steel with either point or tamper end, \$2.00 P P. Weight on Handles, 2 lbs. per pair.

RUBBISH CONSUMERS

Made of galvanized wire, an indispensable arrangement for burning rubbish, paper, leaves, etc., without endangering property.

Light Wire Diam High Price A, 12 in. x 18 in. . \$1.25

B, 15 in. x 22 in. . 1.50 C, 18 in. x 26 in. . 1.75 D, 21 in. x 31 in.. 2.50

Extra Heavy Construction



PICKS (Price includes Handle)

All steel. Double point, \$1.00; axe point, \$1.00



MATTOCKS	(Price	includes	Handle)
			-

Axe	pointed	(see	cut)		 			0.16
Pick	pointed				 	٠.		1.00
Half	Mattock	s or	Grub	Hoes		٠.		.8
						_		



COE MONKEY WRENCHES

For machinery. Made of first quality hard steel. 8-inch, 75c.; 10-inch steel, 90c.



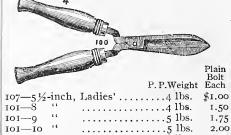
CHAMPION SCREW DRIVERS

			P. P. Wt.	
No.	23-4-inch b	lade	1 lb.	\$0.30
			1 lb.	.40
			і 1b.	.50



the other, grad-

HEDGE SHEARS

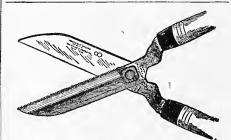


Posthole Diggers, \$1.25 Handles for Hedge Shears, 50c. per pair.

SAYNOR HEDGE SHEARS

For very heavy hedges. These are all equipped with a fly nut.

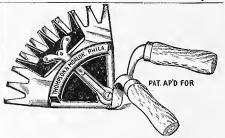
No.	P. P. Wt.	
101- 9 inch	P. P. Wt4½ lbs.	\$3.00
101—10 inch		3.25



HEDGE SHEARS (Neverslip)

As may be seen by the illustration these shears have a saw edge on one blade which prevents them from slipping when cutting, made of the best quality English steel.

Q	ınch	5 lbs. we are not
10	111(1)	 this style now



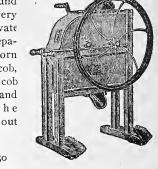
Unique Hedge Trimmer

UNIQUE HEDGE TRIMMER

A practical tool for trimming the summer growth of hedge. It works like a charm, and leaves the hedge in better shape than you could with any other shear and does the work in ¼ the time. Equipped with a ROAD SCOOPS | special blade for cutting heavy growth also. For dragging soil You need no line to guide you when cutfrom one place to ting a hedge with the Unique Trimmer, the sides and any special shaped hedge can be II. 7-ft....\$7.50 cut as readily as straight away work. 2L. 5-it..... 7.00 Guaranteed satisfactory; cuts 11-inch swath. 3L. 3-ft.... 6.75 Price, \$5.00. Parcel Post Weight, 5 lbs.

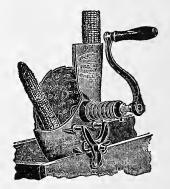
No. 3 PENNA. CORN SHELLER

Will be found useful on every farm and private estate. Separates the corn from the cob, throwingthecob to one side and allowing the corn to pass out at another.



Price, \$8.50

2.50



MANN'S CORN SHELLER

Excellent for small poultry farms, etc. Ball-bearing, suitable for fastening to a bench, box, etc. Price, \$2.00.

BLACK HAWK CORN SHELLER

For shelling small quantities of corn. \$2.00 each.

FARMERS' FEED COOKER

Poultry must have warm food if you expect them to lay in winter when eggs are high.

Prices are for the Cooker complete, for burning wood, one length of 6-in. stove pipe and damper and one 6-in. elbow. Coal grate and lining \$3.50 additional.



	Cap.		Length	F.O.B	f. O. B.
No.	Gals.	Size Boiler	Fire Box	Factory	Phila.
1	25	22X22XI2	24 in.	\$11.00	\$12.00
2	30	22X24X13 ¹ /	24 in.	11.50	12.50
3	40	22x30x14	30 in.	13.25	14.00
4	50	22x36x15	36 i n.	14.50	15.00
5	75	22x48x17	48 in.	16.50	17.00
6	100	22x60x17	60 in.	19.00	20.00

MICHELL'S HORTICULTURAL AND AGRICULTURAL TOOLS, Etc.

GLAZING POINTS

Peerless. Made of zinc with tinned finish, can be used on right or left hand side of sash bar. Three sizes.

No. I for single thick

No. 2 for single thick

glass. No. 21/2 for double

thick glass. Price, 6oc. per 1000. By mail, 10c. per 1000 extra

Nos. I and 2 Michell's Glazing Points. Quite like the Peerless style. No. 2 and 2½, 55c. per 1000. (By mail, 65c.)

Pinchers. For driving Michell's and Peerless Points, 50c. By mail, 55c. Siebert Style. Made with a prominent head; cannot rust; easily driven. 5-8, 6-8 and 7-8 inches long. Zinc, 55c. per lb.; 5 lbs., \$2.60. 1000 to 1200 in a lb. Brass. 90c. 1b.; 5 lbs.

\$4.00. Zinc Glazing Nails. 50c. per lb.; 5 lbs., \$2.40. Siebert's Glazing Point



6-Wheel Glass Cutter

GLASS CUTTERS

Single W	heel, steel, each\$6	0.15
6-Wheel,	steel, each	.35
	(ebony handle)	
**	(cocoa handle)	4.00



Mastica Machine **Putty Distributor PUTTY DISTRIBUTOR**

For distributing putty, mastica, etc. Price, \$1.25. Parcel Post Weight, 1 lb.

For glazing greenhouses, new or old. One gallon will cover about 300 running feet.

P. P. Wt. \$0.85 1.50

MASTICA MACHINE

For distributing mastica, etc. Made of heavy zinc. Price. \$1.50. P. P. Wt., 2 lbs. above prices.

FEDERAL GLAZING CEMENT

ı gal.\$1.25 | 5 gals.\$5.75



GLASS CLAMPS

For supporting broken lights of glass. Per box of 100, \$1.10. P. P. Wt., 11/4 lbs.

TWEMLOW'S PUTTY

Superior to putty, more easily applied and lasting. Can be put on with a putty bulb or mastica machine. 16-lb. can (1 gal.). P. P. Wt., 18 lbs..\$1.75 50 lbs. (3 gals.)............ 5.00 80 lbs. (5 gals.) 8.50 160 lbs. (10 gals.) 16.50

HAMMOND'S GREENHOUSE WHITE

A superior white paint. I gal., \$2.25.

GRINDSTONES



land, 22 inches diam., \$4.75.

No. 2 Cleve-

No. 3 Cleve-land, 19 inches diam., \$4.25. Bi-Tre a d l e.

complete with seat and pedals, \$6.00.

The above prices do not include water cups

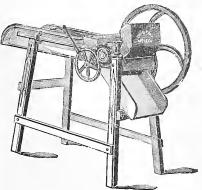
MARATHON TOOL **GRINDERS**

Cleveland Grindstone

The important point in hand grinding is the power, and from whence it comes. By a combination of cut spur gears and steel cut pinions arranged as we have in the

"MARATHON," we obtain a very high speed (the stone travels over five thousand feet a minute) something unheard of before in hand grinding machines. This insures the quickest cutting results from the corundum stone with minimum wear.





OHIO HAY AND FEED CUTTER

This is considered the finest machine in the market for cutting hay, ensilage, etc. Single knife, \$11.00; double knife, \$18.00.

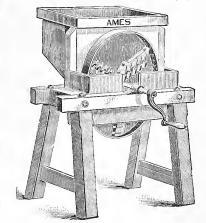
Mann's Clover Cutter for poultry raisers' use. Plain, \$8.00; on stand, \$10.00.



BANNER ROOT CUTTERS

No. 7 (see cut), for poultry, sheep and lambs. \$5.25.

Roots of vegetables cut up fine take the place of grass and greens during the winter months—a root cutter will be found mighty handy around the farm and poultry yard.



AMES ROOT CUTTER

\$14.00.

No. 68 SIAMESE HOSE CONNECTION



This permits one lead of hose to be diverted in two directions. Additional three-way connections can be used according to the water pressure. It is specially adapted for lawn sprinkling. Price, 75c. each.

Parcel Post Weight, 1 lb.

HOSE REDUCERS



For reducing 1-in. pipe to fit regular ¾-in. hose. All brass.

Each

Parcel Post Weight, 11/2 lbs.

HYDRANT ATTACHMENTS



Royle Style. 35c.

Parcel Post Weight, ½ lb.

Boyd Style. Price

Parcel Post Weight, 1/2 lb.





PLAIN STREAM NOZZLES

		For 3/4-inch nose.	
		P. P. Wt.	Price
		4 ozs.	\$0.35
6	inch	6 ozs.	.40
7	inch	8 ozs.	.45

BOSTON SPRAY NOZZLE



These render the same service as does the rose of a watering can. They are screwed on the end of the hose like any other nozzle. Coarse and fine, for 3/4inch hose. P.P.Wt. Price Light Copper ½ 1b. \$0.65

Heavy Brass 1b. **BOSS HOSE NOZZLE**

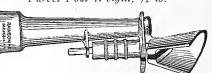
Price, 50c. each. For $\frac{3}{4}$ -inch hose. P. P. Wt., $\frac{1}{2}$ lb.



GEM HOSE NOZZLE



3/4-inch hose. Can be regulated to give different three streams. Price, 45c. Parcel Post Weight, 1/2 lb.



GREENHOUSE NOZZLE

An all brass device with an adjustable arrangement, which regulates in a perfect manner the character of the stream this nozzle will throw. Florists consider it one of the very best on the market to-day. For 34-inch hose. Parcel Post Weight, I lb. Price, \$1.75.

Note.-If goods are desired by Parcel Post allow for postage on weights stated.

THE BINKS **NOZZLE**



Made of aluminum, with brass equipped with interchangeable sprays, coarse and fine. It makes watering posequipped tively the best and most indestructible nozzle made. \$2.75 each; worth twice the price. Parcel Post Weight, 11/4 lbs.

WATER CANS (Wotherspoon's)

Extra heavy with long spout. Will last for years.



" 2.25 " 2.50
" 1.75 2.00 2.25 " 2.85 " 2.85
"
"
"

The above Watering Pots (except as noted) cannot be mailed.

EXTRA ROSES OR SPRAYS

For Wotherspoon Watering Can, either coarse or fine, 40c. each.

Parcel Post Weight, 8 ozs.

ENGLISH WATERING CANS

Made of very heavy tin; carefully enameled inside and out; finished light green. English Watering Pots are not mailable.

No. 2, 4 qt....\$2.25 | No. 3, 6 qt...\$2.50

No. 4, 8 qt.... 2.75 | No. 5, 10 qt... 3.00

GALVANIZED WATER CANS

Fine for cemetery purposes and other places where a can is desired to last several seasons (Not mailable)

CI a.	i scasons	. (1106	mana	DIC.)	
4	quart	\$0.4	5 12	quart	 \$0.90
6	"	60	0 16	- "	 1.40
8	"		20		
т.	44	Ö.	~ i		

LIGHT TIN WATER CANS

I	quart, green\$0.30
	Parcel Post Weight, 1 lb.
2	quart, green
	Parcel Post Weight, 11/4 lbs.
4	quart, green
	Parcel Post Weight, 11/2 lbs.

RUBBER APRONS

ing or doing any work in the garden where your clothes could become soiled. Parcel Post Weight, 2 lbs. Price, \$2.00.



Weight Price Enterprise. No. 1. See cut. 14 lbs. \$4.00 Enterprise. No. 2. 8 in.....14 lbs. 3.25 Ring. Large, see cut...... 1 lb. Ring or Fountain. Small.......34 lb. .60 Hotchkiss. No. 5. 10½ in. high. 4. lbs. 1.10 Pluvius. 11 in. high......3¼ lbs. 1.25



Universal. No. 65. 10 in. high. 41/4 lbs. \$1.50 Lawn Twin. Aluminum1/2 lb. .60 Eureka. No. 55. 10 in. high...3 lbs. 1.25 Aetna. 24 in. high........614 lbs. 2.00 Peck. 4 arm. 40 in. high (not mailable) 3.50



Mayflower Sprinkler

Weight Price Peck. 8 arm. 40 in. high (not mailable) \$4.00 Mayflower. $9\frac{1}{2}$ in. high...... $3\frac{1}{2}$ lbs. 1.25 Preston. $5\frac{1}{2}$ in. high...... $3\frac{1}{2}$ lbs. 1.25 Waterwitch. 83/4 in. high...... 1 lb. Jr. Small ... 10.00



For protecting the clothing while water- Binks Rainfall Sprinkler. (See ill. above) for large lawns, putting greens, etc., covers an area 40 ft. in diameter according to pressure. \$1.50 each.

HOSE

Our stock of this is unusually reli-able. Our very large sales enable us to deal direct with the factory, where we obtain lowest prices, which we in turn give our customers the benefit of. Sections of hose in lengths of 25 feet and



upward coupled free; smaller sections, couplings attached. 15c. per pair.

RUBBER HOSE

Special attention is called to "Empire Hose, a new brand which, having been thoroughly tried out, has made good.
*Michell's Special, ½ in . . . 4 ozs. \$0.12
*Michell's Special, ¾ in . . . 5 ozs. . . 15 .181/2 *Electric, 5/8 .171/2 *Electric, 1/2 in.....4 ozs. · .17 .18 *Revero, 3/4 in.....5 ozs. .161/2 *Revero, 5/8 in.....5 ozs. 1/2 in......4 ozs. .16 *Revero, *Empire Red (corrugated), 3/4 in. .т8 **Bull Dog,** 5/8 in., 7-ply.....6 ozs. .161/2 Spray Pump Hose, 3/8 in...3 ozs. .12

P. S.-Brands marked * come in reels of 500 feet and sections in any length to that number of feet may be had.

25- and 50-foot sections of hose coupled free. Smaller sections coupled at the rate of 20c. per pair for couplings.

Hose Washers. For inside and outside of couplings. 8c. doz.; ½ lb., 3oc.





HOSE BANDS

For fastening couplings and menders.

	Caldwell's		100
8—For 3-pl	y hose	.\$0.18	\$1.00
	y hose		
P. Post We	eight, doz., ¼ lb.;	100, 21/	4 lbs.

Hudson's

See illustration in Hudson	Hose	Mender
Outfit cut opposite.	Doz	2. 100
3/4-inch	\$0.1	8 \$1.00
I-inch	2	20 1.25
P. Post Weight, doz., 1/4 lb.	<i>;</i> 100,	21/4 lbs.

Sure Grip

HOSE MENDERS



Cooper Hose Mender

		P	. P. Weigh	nt	
			Doz.	Each	Doz.
Cooper's,	3/4"		. 1¼ lbs.	\$0.10	\$1.00
"	5/8"		.ı lb.	.Io	1.00
"				.IO	1.00
Jones', 3/2	í" ((iron)	.2½ lbs.	.06	.60
Hudson's,	3/4"	(brass)	½ lb.	.05	.50

Hud 1/2" (brass) 6 ozs. Republic Hose Menders, 3/4" (screw sleeve) 1.50

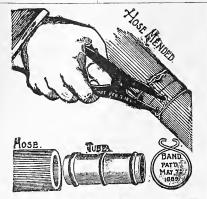
THE PERFECT HOSE MENDER



Made entirely of with brass, swivel motion — no bandrequired. For 3/4 inch

doz.

Parcel Post Weight, per doz., 13/4 lbs.



HOSE MENDING OUTFIT

(For 3/4-inch Hose)

Furnishes a complete outfit, consisting of menders or connections, 18 bands or 34-inch, 5c. each; per doz., 5oc. fasteners, and a pair of pliers for fastening P. Post Weight, doz., I lb.; 100, 9½ lbs. bands. Price, 65c. each. P. Post Wt., I lb. fasteners, and a pair of pliers for fastening



BRASS HOSE COUPLINGS P. P. Weight

		Doz		Pair	Doz.
½ incl	ı	31/4	lbs.	\$0.20	\$2.00
3/4		4	lbs.	.20	2.00
44			lbs.	.30	3.00
	D IN UNITED		_		
ANO FO	REIGN COU	VTRIES	1		7
WAR DOWN		\	A CIF		VIOVA
		la la		7 5 V	
	Land "	**************************************			
	Jan Hilling		事人		164B
	A > 4/		Tilly.		

No. 2, Snap Coupling

No. 1 Snap Coupling

SNAP HOSE COUPLING Snap Couplings are entirely new and They couple hose instantly, work on a spring, and are water-tight. 30c. pair; doz. pairs. \$3.25. (Washers, 20c. doz.) Parcel Post Weight, per doz., 2½ lbs.

SNAP COUPLING PARTS

No. 2—Male. 12c. each; per doz., \$1.35.

Parcel Post Weight, per doz., 1¼ lbs.

No. 1—Female. 20c. each; per doz., \$2.00 Parcel Post Weight, per doz., 11/4 lbs.





ACME HOSE COUPLINGS

For quickly connecting and detaching hose. No. 3 part, for attaching to spigot. 18c.

each; doz., \$2.00. Parcel Post Weight, per doz., 3 lbs. No. 4 part, for attaching to hose. 30c. each; doz., \$3.50. Weight, doz., 3 lbs. Couplings complete, consisting of one No. 3 and one No. 4 part, 47c. each; per doz., \$5.50. Weight, per doz., 6 lbs.

HOSE REELS

Reels are not mailable.

WIRT'S	(All	Iron)
10100	ft	\$3.00
20150	ft	3.50

VICTOR HOSE REEL

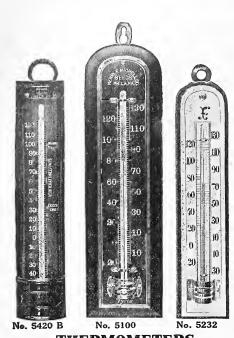
With black iron drum. Holds 100 ft. 3/4-in. rose. See cut, \$1.75.





NOZZLE HOLDERS For sticking in the ground while one continues with other work. Made of gal-

vanized heavy wire. Price, 20c. each. Parcel Post Weight, 8 ozs.



THERMOMETERS

Maximum and Minimum

Registering the coldest and the warmest point during the previous night. 8 inch, each \$2.75; 10 inch, each \$3.00. Tested Thermometers

These thermometers are positively accurate and may be depended upon at all times. We can supply them in Mercury or Spirit Glass. State which is wanted in ordering.

No. 5420B— 8 inch, Tin Case\$0.	50 \$5.5	C
No. 5420B—10 " " "	65 7.2	5
No. 5420B—12 " " " I.	0.11 00	0
No. 5154— 8 in., Coppered Case	85 8.5	0
No. 5154—10 " " 1.	00 11.0	O
No. 5100— 8 inch, Wood Back,		
Black Scale (see cut) 1.	25 14.0	0
No. 5100—10 inch, Wood Back,		
Black Scale 1.	50 16.0	o
No. 5232— 8 inch, Wood Back,	•	
Porcelain Scale (see cut) 1.	00.11.00	C
No. 5232—10 inch, Wood Back,		

Porcelain Scale..... 1.25 14.00 Standard Thermometers

White scale, tin case; very reliable. 8 inch, No. 5420W. Each \$0.30 Doz. \$3.25 10 "No. 5420W. ".40 ".4.25

MUSHROOM OR HOT BED THERMOMETERS Galvanized Iron Point......Each, \$1.00 Brass Point.....

GLASS DAIRY THERMOMETERS

No. 5724. For testing milk, etc., also used for soil purposes. 25c. each; doz., \$2.50.

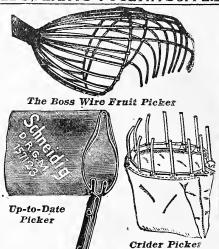
ELECTRIC THERMOSTAT

This device can be set to ring an alarm when the temperature goes above or drops below a desired point, absolutely reliable, all brass. Regular style, \$8.00; Waterproof style, \$11.00.

RECORDING THERMOMETERS

With weekly or daily charts showing the temperature for each minute of the day and night. No. 200, price \$25.00.

We can supply Incubator and Brooder Thermometers, also Hygrometers, also any other style of Thermometer for Horticultural purposes.



FRUIT PICKERS

	P. P. Wt.	
	r. r. wt.	_
Boss	2 lbs.	\$0.35
Up=to=Date		.15
Crider's		
OAK BASKETS for	gathering	fruit.

(See page 223.)



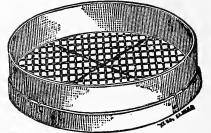
GRAPE GRINDER

Wine Press

No. 2 5.50 No. 2½ . . . 6.50

No. 3 7.75

Suitable for crushing berries, grapes and similar soft fruit. Price\$3.50



SIEVES (ANY SIZE MESH)

(.,
Made extra well, of galvanized	wire
and hard wood. P. P. Wt.	
20 inch Extra heavy61bs.	\$0.95
20 inch Regular wire6 lbs.	.85
18 inch Regular wire6 lbs.	.75
16 inch Regular wire6 lbs.	.65



HOT WATER STOVE

An excellent make, efficient and economical in coal consumption. For heating hot beds, small greenhouses, c o n s e rvatories, poultry houses and garages they are just the thing. They can easily be installed and connected by almost any handy man. Price quoted be-low is for the stove only.

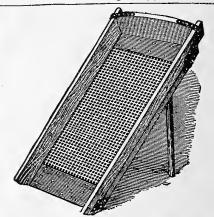
Capacity of in. Pipe Radiation Price 50 sq. ft.....\$15.00 No. 0150 ft. No. 1200 75 " 19.00 150 " 28.00 300 " 35.00 No. 2400 " No. 4600 " Send for full descriptive list on these hot water stoves.

CARRIAGE AND AUTOMO-**BILE HEATERS**



These heaters will keep the temperature above freezing in most any ordinary closed vehicle during the severest weather. Just the thing for either a limousine or an open car.

Single drawer, 14 in. ...5 lbs. \$2.25 Single drawer, 14 in. covered with Brussels. No. 5. 5B. ered with Brussels carpet.6 lbs. 20 in., Brussels carpet.... 7 lbs. 4.50 10. Three drawers. (See cut.) 7.25 Coal for Auto Heaters. 75c. doz. bricks; per 100, \$6.00. Weight, 8 lbs. per doz. Tongs for Handling Hot Coals. 25c. Parcel Post Weight, 11/4 lbs.



Large Upright Sieve for soil, gravel, sand, etc. Made in any size mesh, of extra heavy foundry wire, \$10.00 each.

SOD CRUSHER AND SOIL **PULVERIZER**

These machines are equipped with a hopper, and a roller, the latter being spiked. It is turned by means of a handle and crushes the soil perfectly, avoiding the necessity to sift. No. 1, \$17.50 | No. 2, \$22.50 | No. 3, \$32.50

MICHELL'S SUNDRIES FOR THE GARDEN AND GREENHOUSE 217



ROOFING PAPER, ETC.

			Sq. ft. p		Per roll
Celery	Paper.	5 rol	ls, \$7.00.	500	\$1.50
Nepon	set Red	Rope		500	5.75
"	"	"	• • • • • • • •	250	3.00
-	••	••		100	1.30
lar of	ritch,	2-DIV		100	1.50
"	"	3-ply		100	1.75
Paroid	, I-ply.	.		108	2.50
"	2-ply.			108	3.25
66					4.00
Caps	for tar 1	paper.	1 lb., 8c	.; 5 11	os., 35c.
Nails	for tar 1	paper.	1 lb., 8c	.; 5 11	os., 35c.
	_		***		

SUNDRIES

Bulb Fibre. 30c. ½ peck; peck, 50c.; 85c. ½ bu.; bu., \$1.50. Coal Tar. For painting trees, etc., 5oc. gal. Carnation Bands (Rubber). For mending

Carnation Bands (Rubber). For mending bursted calyx. 30c. per 02.; ½ lb., \$1.00. Carnation Staples (Wire). 60c. per 1000. Charcoal, Lump. For use in potting. Pk., 25c.; bu., 75c.; barrel sack, \$1.50. Cocoanut Fibre. 10c. qt.; 4 qts., 25c.; 40c. peck; bushel, \$1.00; 5 bushels, \$3.75. Glass Cleaner. \$1.50 gal.; 5 gals., \$6.25. Grafting Wax. ½ lb., 10c.; ½ lb., 15c.; 25c. lb.; 5 lbs., \$1.10. Moss, Green Lump. Pk., 35c.; bu., 75c.; bbl. bag, \$1.75. Green Sheet. Bundle, 65c. Per bale of 5 bundles, \$2.50. bu.; bbl. bales, \$1.00; 5 bbl. bales, \$2.75. Sphagnum (live). Pk., 25c.; bu., 85c.; bbl. \$2.00. Pebbles. Qt. 5c., 35c. pk., bu. \$1.25, bbl., \$3.00.

Peb., 25c.; bu., 85c.; bbl., \$2.00. Pebbles. Qt. 5c., 35c. pk., bu. \$1.25, bbl., \$3.00. Peat or Leaf Mould. Five barrels, \$7.50; pk., 25c.; bu., 75c.; \$1.75 bbl. Peat in sacks. Ton, \$12.00. F. o. b. N. J. Peat in car lots. Ton, \$6.00. F. o. b. N. J. Peat, Orchid. Per barrel bag, \$2.50; pk.,

30c.; bu., \$1.00.

Sand for propagating. Per qt., 5c.; pk., 25c.; bu., 70c.; bbl., \$2.00.

Shaderine. For shading greenhouse glass.

5 lbs., \$1.25; 10-lb. cans, \$2.00.

Soil for potting. Qt., 5c.; ½ pk., 15c.; pk., 25c.; bu., 75c.; bbl., \$2.00.

Tin Foil. 18c. per lb.; 85c. per 5 lbs.

Toothpicks. Plain, box, 7c.; 35c. for 6.
Toothpicks. Wired, 25c. 1000; 10,000, \$2.
Toothpicks. 6 inch, wired, green; per

375, 25c.; \$1.50 per 3000.

Voilet and Green Foil. 45c. lb.

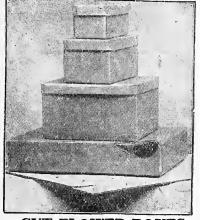
Styptic (Thomson's). For pruning, \$1.10 bot.

Tree Paint (Target Brand). Qt., 60c.;

\$1.25 per gal.; 5 gals., \$5.50.

Weed Killer. Michell's. Qt., 50c.; 75c. per ½ gal.; gal., \$1.35; \$5.50 per 5 gals.; 10 gals., \$10.50; 25 gals., \$20.00; \$37.50 for 50 gals. Herbicide: 50c. qt.; 80c. per ½ gal.; gal., \$1.50; \$2.75 for 2 gals.; \$5.50 per 5 gals.; 10 gals., \$10.00; 25 gals., \$21.50; \$2.50 for 50 gals. \$21.50; \$35.00 for 50 gals.

Zementine. For whitewashing and shading. 2 lbs., 15c.; 10 lbs., 70c.



CUT FLOWER BOXES CORRUGATED PAPER BOXES Each Per Doz.

48 x 14 x 8	inch	\$0	0.60	\$6.00
42 x 14 x 8	**		.50	5.00
36 x 14 x 6			.40	4.00
30 x 8 x 5	"		.30	3.00
24 x 8 x 5	"		.25	2.50
HEAVY	WEIGHT PA	PER	BO	XES
Size			_	Per 100
23 X I2 X 5		\$	1.80	\$12.65

	WEIGHI	PAPER BU.	ALS
Size		Per Doz.	Per 100
23 x 12 x 5		\$1.8o	\$12.65
28 x 8 x 5		I.50	11.00
30 x 9 x 4		I.50	11.25
36 x 8 x 5		I.90	13.75
			14.00
			16.25
30 x 14 x 8		3.00	21.50
36 x 12 x 6		2.75	19.50

LIGHT WEIGHT PAPER BOXES

		O111			
Size				Per Doz.	Per 100
16 x 4 x 3					
20 x 4 x 3					3.85
$16 \times 7 \times 3^{1}$	2			75	4.75
18 x 5 x 3				65	4.00
18 x 7½ x					5.30
2I x 5 x 3 ¹ /	á			75	4.75
24 x 5 x 3 ¹ /	ź			8o	5.30
21 x 8 x 4				90	6.40
24 x 8 x 4				95	7.00
11/2 22.	-1	1	. 1		1

We can also supply other sizes of boxes including Violet Boxes and Green Felt style. Customers desiring boxes printed can have this done by us at nominal cost.

PAPER FOR WRAPPING **BOXES AND FLOWERS**

			Lb.	5 lbs.	
Manilla	a. For	wrapping.\$	0.18	\$0.75	\$3.00
44	1 155	ue	.25	.90	1.75
Wax.	White,	24 x 36 in.	.30	1.40	2.75
White	Tissue.	20 x 30 in.	.20	.90	1.50

RAFFIA

Natural Color. Price, 25c. per 1b; 5 1bs. for \$1.00

Colored. In all shades. Send for samples of color. 25c. per ¼ lb.; ½ lb., 45c.; 85c. per 1b.

RAFFIATAPE

This article is made of paper and linen and is tremendously strong; it is about 1/8 inch wide and is put up in 250 yard bolts or hanks. Splendid for tying bouquets, flower boxes or for any other purpose where attractive tying material is desired. Color, Nile green. Parcel Post Weight, per bolt, 1/2 lb.

Per bolt of 250 yards, 75c.; 6 bolts, \$4.25; 12 bolts, \$8.00.



HOT BED SASH

Philadelphia Style Made of best quality cypress. Size, 3 ft. 1½ in. wide, 6 ft. long, 1¾ in. thick.

Plain, not glazed or painted. \$2.00 each; \$22.00 doz. (Painting only 25c. each extra). Glazed, painted, puttied glass. \$4.50 each; \$50.00 doz.

Packing charges on glazed, 25c. each singly and Ioc. for each additional sash. Special size hot bed sash made to order. Sunlight Glass Sash (See Illustration These are made with a double above). glass facing, one on the bottom, another on the top. It is claimed by the manufacturer where these are used, hotbed mats are unnecessary. 3 ft. wide, 6 ft. long.

Plain, Unglazed and Unpainted\$2.25

singly, and Ioc. for each additional sash.





These are very handy to use in connection with window gardening. Suitable for raising seedlings or for rooting cuttings. Seeds started in these will mean an early flower or vegetable garden. 12 x 20 in. \$1.60 each. Complete with glass. Not mailable.



Hotbed mats keep frosts and severe cold out of frames. They mean earlier and bigger crops.

The Burlap are the best mats that it is possible to procure. They are padded with shoddy. Rats and mice do not harbor in them, and they are otherwise practically in-destructible. The straw mats dry out more readily and are preferred by many gardeners. Burlap. 76 x 76 inches, covering two regular size sash. Each, \$2.50; doz., \$28.50. Burlap. 40 x 76 inches, for one sash. Each,

\$1.60; doz., \$17.50. Plain Burlap Mats. 76 inches wide, any

length, 36c. per running foot.

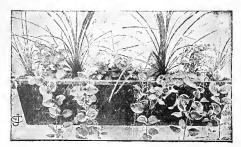
Straw Mats. 3 x 6 feet.....\$1.25 \$12.00

4 6 x 6 feet 2.00 20.00

At the present time it is not possible to furnish the Duck and Burlap style mats as formerly made.

Special size Hotbed Mats, any of the above styles, to order.

"Illinois" Self-Watering Flower Boxes and Baskets



Made entirely of metal, handsomely finished and enameled dark green and warranted five years against rot, rust or leakage.

Constructed with reservoir in bottom, which automatically waters plants at the roots for 10 to 20 days without attention. Our sales on this type of box and basket have been on the increase constantly; they are suitable for living room, conservatory or enclosed porches.

ILLINOIS WINDOW BOXES

No.	Height	Width	Length	water capacity	Price
I	8 in.	$9\frac{1}{2}$	23 in.	2½ qts.	\$1.75
3	8 in.	$9^{1/2}$	27 in.	$3\frac{1}{2}$ qts.	2.00
5	8 in.	$9^{1/2}$	31 in.	4½ qts.	2.20
7	8 in.	$9^{1/2}$	35 in.	$5\frac{1}{2}$ qts.	2.40
9	8 in.	$9\frac{1}{2}$	39 in.	$6\frac{1}{2}$ qts.	2.60

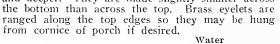
ILLINOIS HANGING BASKETS

You will never know how nice a Hanging Basket is until you have tried the "Illinois" style. No taking down to water. No attention at all except filling reservoir once a week.

No.	Size	Depth	capacity	Price
8	8 in. sq.	7 in.	ı qt.	\$1.10
10	10 in. sq.	7 in.	1½ qt.	1.40
12	12 in. sq.	8 in.	2½ qt.	1.65
14	14 in. sq.	9 in.	3½ qt.	1.90
,	Chain fam same	70 000	foot It	monthiron.

3.65
Chain for same, 5c. per foot. It requires 4 chains to hang a basket, so in remitting please include sufficient to cover payment for the hanging chain, remembering that if you want the basket to hang 2 feet this distance should be multiplied by 4 to pay for the entire number of feet of chain required.

Illinois Porch and Window Boxes and Hanging Baskets can be shipped by express or freight only.



No.	Height	Width	Length	capacity	Price
21	9 in.	12	37 in.	7 qts.	\$3.25
22	9 in.	12	41 in.	8 qts.	3.65
23	9 in.	12	45 in.	9 qts.	4.00
24	9 in.	12	49 in.	10 qts.	4.25
25	o in.	12	53 in.	II ats.	4.50

ILLINOIS PORCH BOXES

boxes, of about the same form, but are both wider

and deeper. They are made slightly smaller across

Made of a heavier grade of iron than the window

The Kirke System of Insecticide and Fertilizer Application

This system consists of a nickel-plated receptacle generally called the cartridge holder. This is equipped with a reservoir into which can be put a cartridge of insecticide and fungicide, or one of fertilizer as the occasion requires. The cartridge holder may be attached to the end of the hose followed by the nozzle or it may be attached directly to the spigot and followed



by the hose. The cartridges are very hard in substance, highly concentrated and only a small amount is required to show results. As the water passes through the cartridge holder into which a fertilizer or insecticide cartridge has been placed the requisite amount of either material placed therein is carried through by the water pressure and applied to the plants or lawns. Practical gardeners claim this to be one of the best means of applying insecticides or fertilizers. It requires about 5 hours to dissolve one of the cartridges, so it will be seen that the method is economical.

The Fertilizer cartridges are rich in all the plant food elements, are absolutely odorless and clean to handle; for feeding a lawn they will be found especially effective. The fungicide cartridge can be applied when treating plants or trees that have been affected with mildew, black spot or blight. The Insecticide cartridge, consisting of a concentrated form of nicotine, is excellent for destroying and controlling aphis, green fly, etc. The Arsenate of Lead cartridge is designed for destroying and controlling all leaf biting and sucking insects that attack outdoor plants.

PRICES OF KIRKE SYSTEM CARTRIDGES AND CARTRIDGE HOLDER

Nickeled Cartridge Holder ready to attach to any 3/4-inch garden or greenhouse hose, \$2.00

	Each	Per 6 F	er Doz.
Fertilizer Cartridges	\$0.20	\$1.10	\$2.00
Tobacco Insecticide Cartridges.	For		
outdoor use	30	1.60	3.00
Arsenate of Lead Cartridges	38	2.15	4.00
Bordeaux Mixture Cartridges. Tobacco Cartridges. For Green	Q11		
house use	30	1.60	3.00



Showing the Kirke Cartridge holder for fertilizing or insecticide purposes in lawn work.

Showing how the Kirke Fertilizer and Insecticide Cartridge holder is attached to the spigot.

nations against red spider.....

Michell's Rustic Porch and Lawn Furniture, Etc. 219



WOVEN CEDAR PICKET FENCING

Is tailor-made compared to the ordinary kinds of ready made fencing. Will wear for years absolutely without paint. Readily put up and saves time, labor and expense of fence building. It is far ahead of and will outwear the old style wire fence by many years. In handy rolls of 50, 75 and 100 ft. only.

3 ft. high, with 4 gal. steel double wire

cables. 7c. per running foot.
4 ft. high, with 5 gal. steel double wire cables, 9c. per running foot.

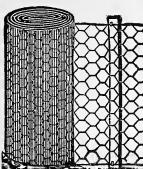
5 ft. high, with 6 gal. steel double wire cables, 11c. per running foot.

State height and length of roll required

when ordering,

WIRE NETTING

Price is constantly changing and will be quoted on request.



No. 19. galvanized, two-inch mesh, 150 running feet per bale.

Width Width 12 inches 42 inches Prices Prices 18 48 ". 6.6 on application 60 application 66 ..

No. 20, galvanized, one-inch mesh, 150 running feet per bale.

Width 12 inches 42 inches Prices Prices 48 " т8 on on application 60 application

Staples, 34 inch, for fastening netting, roc. per lb.; 10 lbs. for 85c.

CUT WIRE NETTING

2-in, mesh, under 100 sq. ft., 11/2c. per sq. ft.; 2-in. mesh, 100 sq. ft. and over, 1c. per sq. ft.; I-in. mesh under 100 sq. ft., 3c. per sq. ft.; 1-in. mesh, 100 sq. ft. and over, 2c. per sq. ft.

PITTSBURG FENCING

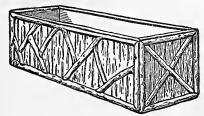
The most substantial fencing possible to procure. The joints being welded by electricity, make it exceedingly attractive. It is thoroughly galvanized, extra well made and is the up-to-date fencing for poultry yards, etc. Top and bottom strands of No. 11 wire; centre of No. 14 wire, in bale lots only, of 165 feet. 6 inch stays only. No.

No. 2412—24 in.) Prices | 5218—52 in.) Prices on 3615—36 in. on 5819—58 in. on request 5819—58 in. request



SUN DIAL

This ancient time teller is a part of every ex-clusive flower or vegetable garden, and indeed a very interesting one. It is made of cast iron with screw holes, so it may be fastened down to a pedestal or other foundation. The figures are raised, so that they may be easily renovated with paint or otherwise, when weatherbeaten. Dial face is 8 ins, in diameter, bottom to ins. in diameter, finished in black, gilded figures. without pedestal, \$3.00. P. P. Wt., 6 lbs.



WINDOW BOXES, Etc.

Wooden Rustic Bark Style. Attractively made and neatly finished; for indoor or outdoor use.

Length	Depth outside	Width outside	Price
24-inch		11-inch	\$1.60
	71/2 "	II "	2.00
36 "	7½ "	11 "	2.40

Any length made to order, 8oc. per run-

ning foot, II inches wide.

Plain Wood Style (Painted Green). We recommend these for use at the temporary summer home in the country or at the seashore, or in cases where one may not feel like spending a larger cost than these entail. They are substantially made and finished and will last may years.

Depth

Length	outside	autside	Price
24-inch.	6½-inch	8-inch	\$0.95
30 " .	6½ "	8 "	1.10
36 ".	6½ "	8 "	1.35
Any	length made to or	der, 50c.	per run-
ning fo	ot, 8 inches wide.		

Rustic Bark (Natural Cedar). For covering boxes, columns or any other article. Per sq. ft., Ioc.; \$2.00 per 25 sq. ft.; 50 sq.

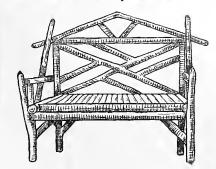
ft., \$3.75, over 50 sq. ft., at 7c. per sq. ft. **COLONIAL GARDEN SEATS**

Made of wood and finished in a most exclusive manner. Sample carried on show room floor, stock is made up and furnished on demand, as required, promptly, and finished in any shade or tint. Price, \$2.25 per running foot. Any length desired. 19 ins. wide, with beveled edge

RUSTIC HANGING BASKETS

These are made in attractive patterns, oblong design, finished natural oak and very rustic indeed. Will last many years.

8-	inch	oblong	\$1.50	each
10	"			
12	66		2.00	"
			Not mailable.	



RUSTIC SETTEES

Elwood Style (see cut). \$3.75 each. Florida Style. \$3.75 each. Klondike Style. \$6.50 each. Mission Style. \$6.50 each.

RUSTIC CHAIRS, SETTEES, Etc.

Klondike Chair. Price, \$4.75. Elwood Price, \$3.00. Mission Price, \$4.75. Mission Table. \$4.25.



LAWN SIGNS

Excellent for putting on grass plots where t h o r oughfare is not desired.

Iron (shown opposite), painted gray. trimmed 55c. each; per doz., \$6.00. Parcel post weight. 4 lbs.





Enameled Iron Style. This pattern is the best for conspicuous places. The name plate is finished with green and white enamel, is 20 inches long and about 4 inches wide. Equipped with a substantial iron stake. \$1.25 each; per doz., \$14.00. Parcel post weight, 3 lbs.

PLANT STAKES, WIRE, Etc.

GREEN TAPERING STAKES GALVANIZED WIRE STAKES

	Parcel Post			
	Weight per doz.	Each	Doz.	100
$I^{1/2}$	feet ½ lb.	\$0.02	\$0.20	\$1.20
2	" ½ lb.	.03	.30	1.90
$2\frac{1}{2}$	" 1b.	.05	.45	2.65
3	"1¼ lbs.	.06	.56	3.55
$3^{1/2}$	" I ½ lbs.	.07	.70	4.40
4	"2 lbs.	.09	.85	5.30
5		.IO	.96	6.20

ROSE OR DAHLIA STAKES

Round tapering style;	painte	d gree	n.
Weight per doz.		Doz.	100
3 feet 2½ lbs.	\$ o. 09	\$0.85	\$5.35
$3\frac{1}{2}$ "4 lbs.	.IO	.96	6.45
4 "5 lbs.	.II	1.20	7.15
5 "	.14	1.40	9.95
6 "	.17	1.70	10.75

SQUARE PLANT STAKES

Т	hese	are	painted	green	and	nicely
tape						
		Wei	ght per doz.	Each	Doz.	100
$1\frac{1}{2}$	feet		½ lb.	\$0.02	\$0.16	\$1.15
2			½ lb	.03	.25	1.75
$2\frac{1}{2}$			ı lb.	.03	.34	2.50
3			2 lbs.	.05	.55	3.90
$3\frac{1}{2}$			2½ lbs.	.06	.65	4.50
4	**		4 lbs.	.07	.75	5.35
5	4.4			.09	1.10	7.50
6	4.4			.12	1.30	9.25

WOOD DOWEL STAKES

	OUD	DONE			
Length	Diam.	Wt. per doz	. Doz.	100	1000
		ı lb.			
24 "	.1/4 ".	½ lb.	.12	.70	5.25
36 "	·¼ ".	3/4 lb. 3/4 lb.	.15	.85	6.50
36 "	$.\frac{3}{16}$ ".	3/4 lb.	.15	.85	6.50
36 "	$.^{\frac{5}{16}}$ ".	ı lb.	.15	.85	6.50
36 "	.3/8 ".	11/4 lbs.	.15	.85	6.50
36 ''	.5/3 ".	3 lbs.	.20	1.25	10.00
42 "	$\frac{3}{16}$ ".	½ lb.	.20	.95	7.50
42 "	.1/4 ".	ı lb.	.20	.95	7.50
42 "	· 16 " ·	\dots 1½ lbs.	.20		7.50
42 ''	.3/8 ".	1½lbs.	.20	.95	7.50
42 "	.5/8 ".	4 lbs.	.25	1.35	11.00
		are plain			anted

The above are plain stakes, if wanted dyed green add 5c. per doz.; 25c. per 100; per 1000, \$2.00 to the above prices.

CANE STAKES (Natural)

Doz. 100 250 1000 Southern, 8 to 9 ft..\$0.25 \$1.00 \$2.25 \$8.00 Japanese, 5 to 6 ft.. .25 1.00 2.25 9.00

JAPANESE GREEN CANE STAKES

These are very attractive for all purposes, where they are heavy enough.

		 Doz.	100	500 \$2,25	1000 \$3.75
2	"		.75	2.50	4.50
$2\frac{I}{2}$		 20	.85		5.00
3	44	 25		3.25	6.00
4	, (30	1.20	4.50	8.00

BAMBOO POLES

18 ft., very strong; used extensively for brushing worm casts off Putting Greens. Each, 25c.; doz., \$2.50; \$15.00 per 100.

HYACINTH STAKES

Used for staking hyacinths, tulips and

SIC	nuer piants	; dye	a gree	:11.			
		Parce	l Post	-			
	W	leight.	per 100	Doz.	100	1000	
	inch		lbs.	\$0.05	\$0.15	\$0.75	
	inch		lbs.	.05	.25	1.50	
	inch, light.		lbs.	.08	.40	2.00	
18	inch, heavy	3	lbs.	.IO	.50	3.25	

No. 10 Wire, Light

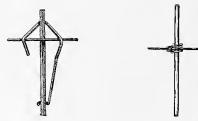
3 37

4 4¹/

		Parcel Post	_		
		Weight doz.	Doz.	100	1000
	feet	ı½ lbs.	\$0.15	\$1.05	\$9.25
/2		1½ lbs.	.18	1.20	9.70
	4.6	2 lbs.	.20	1.35	11.40
/2	4.6	2½ lbs.	.25	1.60	12.85
	"	2½ lbs.	.30	1.80	14.55
/2	4.	3 lbs.	.32	1.90	16.30
	"		·35	2.10	17.05
	**		.40	2.40	18.90

No. 8 Wire, Heavy

		Parcel Post			
		Weight doz.	Doz.	100	1000
2	feet	2 lbs.	\$0.20	\$1.25	\$11.70
21/2	"	2½ lbs. •	.25	1.50	13.20
3	**	2¾ lbs.	.30	1.70	15.00
31/2	"	3 lbs.	.35	2.00	18.00
4		3½ lbs.	.40	2.25	20.40
41/2	"	4 lbs.	.45	2.45	22.80
5	"		.50	2.75	25.20
6	- 64		• •55	3.20	30.00



Everlasting Stake Fastener

Blake Lock Clip

STAKE FASTENERS

These take the place of string entirely, lasting several seasons, used for fastening cross wires to galvanized stakes.

Parcel Post Weight per 100	500	1000
Blake's2 ozs.	\$0.85	\$1.60
Everlasting½ lb.	1.75	3.25
Eureka	1.00	1.90



WIRE IN STONES

Allow for postage if wanted by mail.

4	1110	w ror posta;	SC II Wall	ica D	j mana	2 pry remas ville cotton
				Lb.		Tarred, for Mat Making
No.	16.	Galvanized	l\$	0.12	\$1.10	Tarred Sisal for Fodder
No.	18.			.15	1.25	Binder (5-lb. ball)
No.	19.	"		.16	1.35	Express, very heavy
No.	20.			.17	1.50	Green Silkaline. For stringi
No.	22.			.18	1.65	and Asparagus, etc. F, fine; F.
No.	24.	"		.19	1.75	FFF, coarse.
No.	16.	Annealed		.08	.70	Price, per spool, 25c.
No:	18.			.09	.80	Price, per lb. (8 spools)
No.	20.			.IO	.85	Green Linen (substitute for
No.	22.			.II	.90	very similar to the above, fast
No.	24.	"		.12	1.10	Price, 20c. per ball; 85c. per 1b.

TINNED WIRE

No. 19, used for bunching celery, etc. In 10-lb. boxes, cut 81/2 inches, 15c. per lb.; per box, \$1.40.

CUT BOUQUET WIRE For Stemming Flowers

Cut 9, 12 or 18 inches in length.

ļ	No.	20,	14c.	per	1b.;	per	box,	12	1bs.,	\$1.40
ı	No.	22,	16c.	per	lb.:	per	box.	12	lbs	1.54
	No.	24,	17c.	per	lb.;	per	box,	12	1bs.,	1.65



RAFFIA

For tying, basket making and fancy work, very long and fibrous.

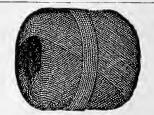
Natural Color. Price, 25c. per 1b.; 5 1bs. for \$1.00.

Colored. In all shades. Send for samples of color. 25c. per ½ lb.; ½ lb., 45c.; 85c. per lb. Allow for postage if Raffia is wanted by Parcel Post.

RAFFIATAPE

This article is made of a composition of paper and linen and is tremendously strong; it is about 1/8 inch wide and is put up in 250 yard bolts or hanks. This is very desirable for tying bouquets, flower boxes or for any other purpose where attractive tying material is desired. Color, Nile green. Par-cel Post Weight, per bolt, 1/2 lb.

Per bolt of 250 yards, 75c.; 6 bolts, \$4.25; 12 bolts, \$8.00.



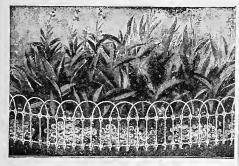
TWINES, ETC.

I WINLS, LIC	•	
	Ball	lb.
No. 12, Light Italian Twine	\$0.22	\$0.40
No. 18, Medium Italian Twine	.22	.40
No. 24, Heavy Italian Twine	.22	.40
No. 36, Heavy Italian Twine	.22	-35
2 ply, 3 ply and 5 ply jute	.12	.24
Linen Bouquet	.IO	.60
Boston Linen, 2 and 3 ply	.20	-35
Green Sea Island	.IO	.45
Special Thin White Cotton	.08	.30
2 ply Texas White Cotton	.IO	.35
Tarred, for Mat Making	.22	
Tarred Sisal for Fodder		.12
Binder (5-lb. ball)	.75	
Express, very heavy	.25	
Green Silkaline. For stringi		milax
and Asparagus, etc. F, fine; F	F, me	dium:
FFF, coarse.		
Price, per spool, 25c.		

Green Linen (substitute for Silkaline), very similar to the above, fast color.

221

MICHELL'S LAWN AND GARDEN NEEDS



FLOWER BED FENCING

For putting around beds, lawns, etc. Any length desired up to 150 running ft. 16 in. Less than 150 ft. roll, 13c. per ft. 16 in. In roll lots, 150 ft., 11c. ft.

22 in. Less than 150 ft. roll, 15c. per ft. 22 in. In roll lots, 150 ft., 13c. ft. CONTINUOUS WIRE TRELLIS

Excellent for training vines of all kinds up porches, verandas, pergolas, etc. Thoroughly gal-vanized and well made.

Any length desired up to 150 running feet.

13 in. wide, less than 150 ft. rolls, 13c. per ft.

13 in. wide, in roll lots, 150 ft., 11c. per ft.

19 in. wide, less than 150 ft. rolls, 15c. per ft.

19 in. wide, in roll lots, 150 ft., 13c. per ft.

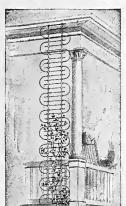
36 inch high

WIRE TRELLIS

12 inch high\$0.20

18 inch high30 24 inch high40

42 inch.\$1.25 | 60 inch. 2.00



Continuous Trellis

48 inch. 1.50 | 72 inch. 2.75 Vine or Wall Nails

For fastening climbing vines, equipped with a soft metal clasp which holds the vine against the wall.

.75

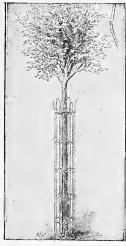
1-in., doz. 20c., per 100 \$1.25; 11/2-in., doz., 25c., per 100 \$1.50; 2-in., doz. 30c., per 100 \$1.75.

FAN TRELLIS

	Made of w	rood,	painted green.	
18	inch\$c	.15	36 inch\$0.	50
24	inch	.20	42 inch	бс
30	inch	.25	48 inch	70



WIRE TRELLIS (Made to Order) We are able to have made, at short notice, special sizes of wire trellis, any length and any width, at 30c. per sq. ft.



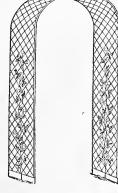
WIRE TREE **GUARD**

Carefully galvanized, 9 in. diam., \$1.10 each, doz., \$12.00; 12 in. diam., \$1.35 each, doz., \$14.00.

Galvanized Wire Arches

These can be furnished on short notice any height or any width. Made of heavy diamond mesh wire with strong frames.

30c. per sq. foot. Special heavy wire work arches can be supplied at lowest prices.



Price, \$2.50 each; per doz.

\$27.50.



VERANDA TRELLIS

Made of wood and painted green. 2 feet\$0.40 | 6 feet, heavy..\$1.20 3 feet50 8 feet, heavy.. 1.50 4 feet65 | 10 feet, heavy.. 2.00 5 feet, heavy .. .95 | 12 feet, heavy .. 2.25 Larger sizes to order.



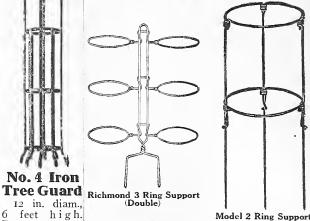
Ivy Trellis

Made of wood, painted green. 16 inch diam., 50c. 20 inch diam., 6oc. 24 inch diam., .85c.



Oval Trellis

Made of wood, painted green. 24 inch25c.



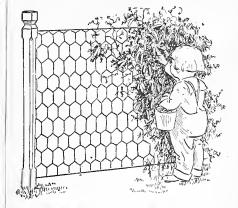
Model 2 Ring Support RICHMOND CARNATION SUPPORT

This is now the most popular support OFFICIAL PHILADEL. on he market; it can be put together in a minute, and is always satisfactory.

PHIA TREE GUARD No. 11. 29 in., 3 ring Per Doz. 100 1000 double\$0.75 \$5.00 \$45.00 Of round iron, 6 ft. high, 14 inches diameter, \$4.00 No. 11. 29 in., 3 ring each. .60 3.75 35.00

"MODEL" CARNATION SUPPORT

Per Doz. 100 **2 Ring**\$0.60 \$3.75 \$35.00 4.00 37.50



WIRE PEA TRELLIS

This does away with brush, twine, etc., and avoids the necessity of peas lying on the ground and wasting; made of best wire and painted wood. It is 48 inches high and in 10 foot sections, with 3 suitable 51/2 foot stakes for fastening in the ground; can be put away and used year after year. \$1.25 per section; 10 sections for \$10.00.



Model Tomato

Support

TOMATO OR PAEONY SUPPORT

These pay for themselves the first season. They insure more flowers and better fruit.

Model (Wire). Each, 25c.; doz., \$2.75; \$18.00 per 100.

PLANT TUBS, FLOWER POTS, SAUCERS, Etc.

CEDAR TUBS

Equipped with Strong Iron Hoops

These are made by hand, of the very best white cedar painted green. They will be found very much superior to lower priced cedar tubs.



edar tubs.		C	edar	Plant	Tub
	Outsic Diam		Leng of sta outs	ive	Black Iron Hoop
0.0	27	in.	24	in.	\$6.05
o. I	25	44	22	"	5.50
Jo. 2	23	"	20	"	4.95
[o. 3	2I	**	18		4.40
lo. 4	$19\frac{1}{2}$	"	16		3.30
To. 5		"	14	**	3.05
To. 6	16½	4.	13	"	2.50
[o. 7	15	"	12	"	2.20
Jo. 8	12	44 '	10	"	1.95
Tubs cannot l		Parc	el P	ost.	

MICHELL'S KEYSTONE PLANT TUBS



Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 19c. per pair. Not attached to tub.

No.	e Di	am.		Depth	Each	ı	
6	11	inch	ies	IO	inches	\$0.80)
7	12	••		ΙI		.95	5
8	13	"		12		1.05	5
9	14	• 6		13	"	1.15	;
IO	15	"		14	"	1.35	5
II	16	4.6		15	"	1.50)
I2	17	"		16	"	1.75	;
13	18	"		17	"	1.90)
14	I9	"		18	66	2.25	,
Tubs	cannot	be	sent	by	Parcel	Post.	ľ

HARD RUBBER SAUCERS Absolutely Moisture Proof and Unbreakable

		Each	Doz.	100
5	in	.\$0.15	\$1.50	\$11.00
6	in	16	1.70	13.00
7	in	19	2.05	15.00
8	in	23	2.45	18.00
9	in	27	2.90	21.00
Io	in	46	4.95	32.00
ΙI	in	52	5.60	37.50
12	in	58	6.25	40.00

FERN DISH LINERS

These cannot be sent by Parcel Post.

Very shallow, for inside of fancy silver

or por	celain fern	eries.			7
Width	Depth	Each	Doz.	100 8	8
7 in.	17/8 in.	\$0.10	\$1.00	\$6.30	g

ROLLING STANDS (Wood Fibre)



Inc	Parcel Post Weight	Pot Will		Each	Doz.	1
			Tub			
	2 lbs.	IO in.			\$8.64	
14	2½ lbs.	12"		1.00	10.80	
16	3 lbs.	14 "	·· 8	1.25	13.50	
18	3½ lbs.	16 "	'' 7-		16.20	
20			" 5	1.75	18.90	
22			" 4	2.25	24.30	



WOOD FIBRE SAUCERS

Extremely desirable on account of being absolutely waterproof.

	Pa	rcel Post				
	We	ight Each	Each	Doz.	100	
5	inches	¼ lb.	\$0.16	\$1.77	\$14.02	
6	"	¼ 1b.	.17	1.84	14.45	
7		⅓ 1b.	.18	2.00	15.72	
8		½ lb.	.20	2.16	17.00	
9	"	3/4 lb.	.22	2.38	18.70	į
IO	"	3/4 lb.	.23	2.49	19.55	
12	"I	1/4 1bs.	.28	3.03	23.80	ľ
14	"I	1/2 lbs.	. 36	3.89	30.60	•
16	"2	lbs.	.63	6.81	53.55	ľ
18	"2	1/2 lbs.	.74	7.96	62.90	ľ
20	"3	lbs.	1.10	11.88	93.50	1
22	"5		1.40	15.72	119.00	i



EARTHENWARE SAUCERS

These cannot be sent by Parcel Post.

		Each	Doz.	100
4		 \$0.02	\$0.20	\$1.35
5	"	 .03	.30	1.80
6	"	 04	.40	2.70
7	66	 05	.50	3.60
8	**	 06	.60	4.50
9	46	 09	.90	6.75
10	44	 oI.	I.IO	8.10
ΙI	"	 .15	1.50	9.90
12	"	 20	2.00	12.15
14	- "	 25	2.50	20.25
-		 	_	





Fern Liner EARTHEN FERN PANS

	Tl	iese	canno	t be	sent	by	Parce	l Post.
	Wid	th	Heig	ht	Eac	h	Doz.	100
	4	in.	17/8		\$0.0	4	\$0.40	
	43/4	"	21/8	"	.0	5	.55	3.60
1	51/2	"	$2\frac{1}{4}$	"	.0	6	.65	4.50
l	61/4	"	$2^{1/2}$	"	.0	7	.75	5.40
ı	7	"	25/8	"	.c	8	.85	6.30
l	8	"	31/8	"	.I	2	1.15	9.00
ı	9	"	31/4	44	.1	5	1.50	10.80

EARTHEN FLOWER POTS

These cannot be sent by Parcel Post.

Heig	ht and			3/3/19/19/19	1944
Width	Inside	Each	Doz.	100	1000
I	inch	\$0.02	\$0.10	\$0.81	\$6.30
2	"	.02	.10	.68	5.25
21/4	"	.02	.10	.77	5.95
21/2	*********	.02	.15	.90	7.00
3	"	.02	.18	1.20	9.10
31/2	"	.02	.18	1.45	II.20
4	"	.03	.30	1.80	14.00
41/2	"	.04	.45	2.45	18.90
5	"	.04	.45	3.25	25.20
51/2		.06	.65	4.05	31.50
6		.07	·75	4.90	37.80
61/2		.09	.95	6.50	50.40
7 8	"	.II	1.25	8.10	63.00
8		.15	1.60	11.70	91.00
9 .	"	.22	2.50	18.00	140.00
10	"	.30	3.25	24.30	
II		.45	4.75	36.00	
12	"	.60	6.50	49.50	
14	"	1.00	12.00	81.00	
16	"	2.50	25.00	180.00	

PAPER FLOWER POTS

	I AME MAR		STITE I		,
	Parcel Po	ost Weight			
Ins.	per doz.	per 100	Doz.	100	1000
		2 lbs.	\$0.08	\$0.45	\$3.50
$2\frac{1}{2}$	3 ozs.	2 lbs.	.10	.50	4.00
3	5 ozs.	2 lbs.	.12	.70	5.00
$3\frac{1}{2}$	7 ozs.	3 lbs.	.18	1.00	6.75
4	8 ozs.	4 lbs.	.20	I.IO	8.25
5	I5 ozs.	7 lbs.	.30	1.75	13.50
6	. 2 lbs.	II lbs.	-35	2.25	18.00

EARTHEN BULB PANS

These are fine for planting with bulbs, for ferns and other compact plants.

sent by Parcel Post.			<i>y</i>
Diam. Inside	Each	Doz.	100
6 inches	\$0.07	\$0.75	\$4.90
7 "	11	1.25	8.10
	15	1.60	11.70
9 "	22	2.50	18.00
0 = "	30	3.25	24.30
2 "	60	6.50	49.50
A "	1.00	12.00	81.00

SEED PANS (Earthenware)

" 2.50 25.00 180.00



These cannot be sent Parcel Post.

Inches Each Doz.
6 . . \$0.60 \$7.00
8 . . . 75 8.00
10 . . . 90 9.75
12 . . . 1.25 12.00

AZALEA POTS

7	The:	se ca	nnc	t be	sent	by P	arcel F	ost.
Wie	ith	Heig	ght			Each	Doz.	100
		$4\frac{1}{2}$				\$0.04	\$0.45	\$3.25
6		5 6	"			07	.75	4.90
7	"	6	"			11	1.25	8.10
8		7				.15	1.60	11.70
9 10	"	$7^{1/2}$	"			22	2.50	18.00
10	"	8	"			30	3.25	24.30

SQUARE ORCHID BASKETS Wooden

		Doz.
4 in.	\$0.25	\$2.75
		3.75
8 "		4.50
10 "		5.50
12 "		6.25

ORCHID PANS Earthen Each Doz

		Eart!	hen	(1	
			Each	Doz.	Trick to the state of the state
	in.	\$	0.10	\$1.00	A decision of the second secon
5	"		.15	1.50	
6	**		.20	1.80	Vivia - 1 - 1 - 1 - 1 - 1 - 1
8	* 6		.30	2.50	
IO	"		.40	3.60	
12	"		.50	5.00	Orchid Pan

Orchid pans not mailable.

CORK FOR ORCHIDS

In large clumps, 30c. per lb.; 10 lbs., \$2.50.

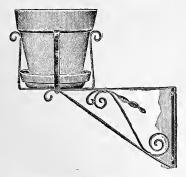
ORCHID PEAT

For use in orchid pans and baskets. 30c. per peck; bushel, \$1.00; \$2.50 per bbl. bag.



WOOD FIBRE FLOWER VASES

No. Di	am.	Dept	h	We	ight	Each	Doz.
08	in.		in.	4	lbs.	\$0.85	\$9.00
I51			44	21/2	lbs.	.75	7.92
241		9	"	I 1/2	lbs.	.65	6.84
34		6	"		lbs.	.55	5.67
43	**	$4^{1/2}$	46	3/4	lbs.	.45	4.50
009		2 I	"		lbs.	3.25	35.10
II5	66	18	66		lbs.	.85	9.00
2241/		15	"		lbs.		
33 4		12	"	2	lbs.	.65	6.84
44 3		9	"			•45	
Add	for	Parcel	P	ost if	des	ired by	mail.



JONES' POT BRACKET

(See cut)

No. 1—Holds 5-inch pot. Each, 30c.; \$3.25 per doz. Parcel Post Weight, each, I lb. No. 2—Holds 6-inch pot. Each, 35c.; \$3.75 per doz. Parcel Post Weight, each, 2 lbs. No. 3—Holds 7-inch pot. Each, 40c.; \$4.25 per doz. Parcel Post Wt., each, 2½ lbs. See Page 218.

IRON VASES

For holding cut flowers on cemetery lots and graves.

Painted Green

		P. P.		
N	0.	Weigh	t Each	Doz.
	Small		\$0.25	\$2.50
	Med.		-35	3.75
Ι	Large	.4 lb.		4.50
		_ '		

Galvanized	P. P.	. 140.15	
No.	Weight	Each	Doz.
3—Small	.2 lbs.	\$0.35	\$3.75
2—Medium	.2 lbs.	.50	5.00
I—Large	.4 lbs.		6.75



ENAMELED CEMETERY VASES

Color rich green; made of tin and carefully enameled; will not burst in cold weather.

No. P. P. Weight Each Doz.
I—Large 1½ lb. \$0.25 \$2.75
2—Small 1½ lb. .20 2.00



KRICK'S POT HANGERS

			~	_	~ -				
			ots					Each	
I.	3	to	5-in			.Ι	1b.	\$0.04	\$0.35
2.	6	and	1ັ7-in			. I	1b.	.05	.45
3.	8	to	Io-in			. I	1b.	.06	

EUREKA POT HANGER

These are suitable for any size pot up to 8 inches, made of reavy galvanized wire, 15 inches long. \$1.25 per doz.; per 100, \$7.00. Parcel Post Weight, each, 8 ozs.



RUSTIC HANGING BASKETS

Double, $\frac{7}{16}$ inch thick, 90c. These cannot be mailed.

Not mailable.
For Self Watering Hanging Baskets.



ENGLISH GATHERING BASKET No. 1

Very convenient for carrying berry boxes, asparagus and other vegetables; made of oak; 12 in. wide, 23 in. long, 4 in. deep. Price, 75c.



GARDEN BASKETS

No. 2, Stiff Handle Each Doz. ½ Bu. \$0.60 \$6.00 No. 3, Drop Handle

Each Doz.
1/2 Bu. \$0.60 \$6.00
No. 4, Without Handle
Each Doz.
1/2 Bu. \$0.50 \$5.00

.75 8.50

Bu.

SPLIT OR CHIP BASKETS

		With Handle	Without Handle
1/4 bu.	Per	doz., \$0.65	\$0.60
½ bu.		' .70	.65
3/4 bu.		1.20	1.00
ı bu.		' 1.65	1.50

BERRY BOXES

	P. P. Wei			
		Doz.		1000
I quart	2 lbs.	\$0.15	\$0.75	\$5.00
I pint	ı lb.	.10	.60	4.50



WOOD MEASURES

	Peck\$0.35
	Peck 35
	Peck50
	Bushel85
1	Bushel 1.40



HANGING BASKETS

For greenhouse, porch and conservatory.

Galvanized Wire

Style (with hangers)

	Each	Doz.
8 in.	\$0.20	\$2.00
o in.	.30	3.00
2 in.	.40	3.75
4 in.	.50	5.25
6 in.	.60	6.25

IRON PLANT STANDS

STAR STYLE

Somewhat similar to the "Superior," excepting that they are not fitted with the tilting device, and are finished in black varnish.

	ight			lach	Doz.
12	inches			0.70	Doz. \$7.70
18	**			.80	8.80
24				.95	10.50
30			٠.	1.15	12.25
36	44	٠.		1.40	15.50
42	66			T.55	16.50

SUPERIOR STYLE

Can be tilted to set your plants at any angle desired to produce the proper decorative effect. Enameled green.

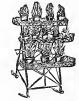
	Size	Price	Per
Height	of Plates	Each	Doz.
12 inch	5 x 7	\$0.85	\$9.00
18 "	5 x 7	.95	10.00
18 "		1.05	11.75
24 "	8 x $10\frac{1}{2}$	1.15	13.00
24 "	8 x 12	1.25	14.25
30 ''	$8 \times 10\frac{1}{2}$	1.35	14.75
30 "	8 x 12	1.45	15.75
36 "	$8 \times 10^{1/2}$	1.55	15.75
36 "	8 x 12	1.65	16.75
42 "	8 x $10\frac{1}{2}$	1.75	16.75
42 "	8 x 12	1.8o	18.00
48 "	8 x 12	1.85	19.50
6o "	8 x 12	1.95	20.75
72 "	8 x 12	2.05	22.00
EXTRA	PLATES FOR	IRON ST	ANDS

	PLATES				
For	Superior		For S	tar :	Stands
	Each	Doz.	Ea	$^{\mathrm{ch}}$	Doz.

		Each	Doz.	Each	Doz.
5	inch	\$0.30	\$3.30	\$0.25	\$2.85
7 8	44	35	3.75	.40	4.40
_		50	5.50		į
$10\frac{1}{2}$		· · · · · 55	6.00	.50	5.50
12	"	65	7.00		

WIRE PLANT STANDS

These are nicely painted dark green and finished in bronze. They are very substantial and will carry most any weight that can be placed on them. We espe-cially recommend the Jones style, as it is collapsible and takes up very little space when not in use.



Square	Style	Half	Round	Style
	\$2.50			

1	snell	 £2.50	
2	"	 3.25	\$3.25
3	**	 4.25	4.25

JONES' COLLAPSIBLE STYLE (See cut.) 2 shelf......\$2.50 | 3 shelf......\$3.50

SPRAYWELL RUBBER SPRINKLERS



15 / 7 T / P	•
Either Straight	t Neck or Crook Neck.
6=0z. capacity.	Weight, 8 ozs\$0.55
8=oz. capacity.	Weight, I lb85
10=oz. capacity.	Weight, I lb Loo

PAINTED POT LABELS



		P. P	. Wt.			
		Per	100	100	500	1000
4	inch	I/2	1b.	\$0.15	\$0.60	\$1.00
$4\frac{1}{2}$	"	1/2	1b.	.17	.65	1.10
5	"	I/2	lb.	.20	.75	1.30
	44	3/4	. 1b.	.25	.85	1.60
8	"	2		.60	2.50	4.50
10		$2^{I/2}$	lb.	.75	3.25	6.00
12	"	3		.85	3.75	7.00
18	66	for field	use.	. 3.50		32.50

WOOD TREE LABELS, Etc.

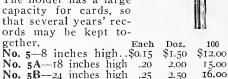
P. P. Weight on Tree Labels 1/2 lb ber 100

1. 1. Weight on Tree Luceis, 72 to. per	100.
Per 100	$^{\mathrm{Per}}_{1000}$
Iron Wired. Plain\$0.18	\$1.10
" " Painted20	1.35
Copper Wired. Plain	1.35
	1.60
Copper Sheet, wired. 25c. doz.; 100,	\$1.25
Zinc Sheet, wired 25c. doz.; 100,	1\$.25
Indelible Marking Pencilseach	ı, 6c.

GARDEN MARKERS

For labeling perennials, garden rows, beds or individual plants.

Made of heavy metal, enameled black. The card is covered with a celluloid face, which protects it from the weather. The angle of this label is so as to make it easily read. The holder has a large





MINIATURE HOTBEDS

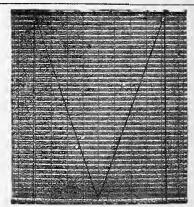
These are very handy to use in connection with window gardening. Suitable for raising seedlings or for rooting cuttings. Seeds started in these will mean an early flower or vegetable garden. 12 x 20 in. \$1.50 each. Complete with glass. Not mailable.

For Large Size Hot Bed Sash, Hot Bed Mats, etc., see opposite page.



Largely used as a substitute for glass where protection is desired. It is admirable for summer use, protecting plants, etc., from sun and at the same time allowing ventilation.

	Yds. per Pc.		Per Pc.
Light.	Brown cloth60	\$0.06	\$3.30
Medium	. Brown cloth .60	.IO	5.40
Heavy.	Brown cloth40	.14	5.20



BAMBOO GREENHOUSE SHADES (Painted Green)

These are much more satisfactory than either the glass shading process or shading cloth. The shades last for years, being substantially made. They add materially to the appearance of the greenhouse. Each shade is equipped with pulley and rope. The shades are placed on the outside of the greenhouse, fastened at the top, so they can he rolled up or let down at will.

													Eacn
6	feet	wide,	. 8	feet	long								\$3.50
8	44	"	8	64									4.00
10	44	44	8	66	44								4.50
TO	"	"	ΤŌ	61	6.4								5.00
						 •	 •	•	•	•	•	٠.	3.00



GRAPE PROTECTING BAGS

If put on during the period when grapes ar, forming, they will save many times their cost in the amount of fruit they will save from insects, rot, etc. All ready with wire to fasten.

1			100 100	
	2 lb. size	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1b. \$0.35	\$3.25
	3 lb. size	I ¹ / ₂	lb40	3.75
	4 lb. size	I½	lb45	4.25

" READEANA" ROSE BUG EXTERMINATOR

Will protect your flowers and shrubbery from destructive insects. It is impossible to raise beautiful flowers or foliage if they are constantly being destroyed by the many insects that are

ever alert to destroy them.

An occasional spraying with "Readeana" will destroy all insect life present and prevent their return for some time after. To destroy the insects is one thing, but to do it without injuring the flowers or foliage is quite another. "Readeana" is absolutely harmless to the most delicate flowers or foliage. It may be diluted heavily with water, according to directions on each container, and applied with spraying apparatus of any kind.

			I gallon can\$4.00
			- 5 gallon can
			Io gallon can35.00
1/2	gallon	can 2.25	

Readeana is not mailable.



Method of applying Electric Worm Eradicator

"HERBICIDE" THE WEED EXTERMINATOR

A concentrated chemical in liquid form, which when applied to the ground, after diluting with forty times its volume of water, destroys both tops and roots of weeds of every kind in

paths, gutters and tennis courts.

The endless task of pulling weeds is only too well known by all owners of country and suburban homes, also cemetery, city and park officials. "Herbicide" saves many times its cost in saving of labor, due to the more permanent results secured than where the old hand method is used.



Method of application for

ELECTRIC WORM ERADICATOR Are the Roots of Your Plants Being Destroyed?

Much damage is often done to trees, plants, flowers, vegetables, etc., and the true source of trouble never known, for it

is being wrought in the ground at the roots.

"Electric" Worm Eradicator is effective for the destruction of such pests. Used in a very small proportion, according to directions, with water and applied to the ground with a sprinkling can or otherwise, it brings all worms or insects that work underground to the surface, where they die.

While it is essential that the tops be protected, it is equally important that the roots be kept clear of destructive pests.

Caution.—Don't use Electric Worm Eradicator on seed beds

sown with seed that has not germinated or while plants are in a seedling stage.

a securin					
	bottle				
	bottle				
24 ounce	bottle				
	(Electric Worm	Eradicate	or is no	ot mailable.	



Method of applying Herbicide

PRICE OF HERBICIDE

I qt. can, 50c.; ½ gal. can, 80c.; I gal. can, \$1.50; 2 gal. can, \$2.75; 5 gal. can, \$5.50; 10 gal. can, \$10.00; 25 gal. cask, \$21.50; 50 gal. bbl., \$35.00. Herbicide is not mailable.

CUT WORM DESTROYER

It Cut Worm Destroyer is wanted by mail allow for postage.

The Cut Worm is considered the most destructive and hardy of the many pests that gardeners and farmers have to contend with.

Cut Worm Destroyer is in powder form and has to be applied in small quantity around the stem of each plant, the cut worm eating it in preference to the stems of the Plants. It is made of materials that attract the cut worms, and when they taste it they die.

I lb., 25c.; 5 lbs., 80c.; 10 lbs., \$1.25; 25 lbs., \$2.50; 100 lbs., \$7.50.

ERADO WEED GUN (See Fig. 1) DON'T PULL WEEDS, DESTROY THE ROOTS AND THE TOPS CANNOT REAPPEAR

By the use of the apparatus "Herbicide" may be used safely and effectively on lawns for removing

dandelions, burdock, and other weeds that ruin a lawn.

This device is as handy as a cane, which it resembles; a reservoir, which holds about 2 quarts of liquid, is filled with Herbicide diluted and used for destroying weeds of all kinds in lawns without hurting the grass. It is 33 inches long and can be used very conveniently. The idea being to fill the reservoir and press the sharp point of the gun into the heart of the weed until the flat stay pieces touch the ground, when a quantity sufficient to kill the weed treated is discharged into the heart of the weed which is destroyed for all time. The use of this apparatus provides healthy pastime for the suburbanite, who otherwise does not care for garden work. Price, \$1.50. All brass. Parcel Post Weight, 2 lbs.

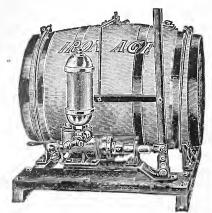
THE WIKEHAM ERADICATOR AND CLIMAX WEED KILLER

The Eradicator is a tubular staff 36 inches long, and can be filled with "Climax Weed Killer." You push the point of the Eradicator when same is loaded into the crown and root of the dandelion and the root is forever destroyed without the least injury to the surrounding grasses. Wikeham Weed Eradicator (complete), \$4.00.

Weight 2 lbs. Climax Weed Killer, Tin, No. 1 (enough to make 28 gallons of liquid), \$1.50. Weight 3 lbs.

SPECIAL OFFER.-A Wikeham Weed Eradicator and a can of Climax Weed Killer, \$5.00: weight together 5 lbs. (Allow for postage if wanted by mail.)

MICHELL'S SPRAYING APPARATUS

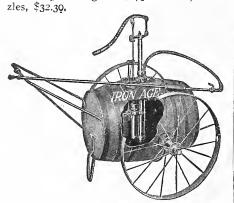


IRON AGE SPRAYER No. 1901

This is an ideal equipment to mount on a hemp, flat wagon, cart or sled. It is complete in replaced. A every detail. Equipped with a 50-gal. barrel, large air chamber with a pressure capacity pounds can be of 125 lbs., automatic agitator, brass bronze maintained. ball valves, woven hemp packing, which is Price, easily replaced. No leather or rubber to \$13.30. Price, with 15 ft. ½-in. hose, nozzle, give trouble. All working parts of the pump are outside, can be gotten at easily.

| 13.30 | Price, with 15 ft. ½-in. hose, nozzle, no barrel, \$17.55 | Price, with barrel, 15 ft. ½-in. hose and nozzle, \$21.85.

Price, no hose or nozzle, \$23.75; with 15 ft. 1/2-in. hose, I nozzle, \$28.00; equipped with 2 15-ft. lengths of 1/2-in. hose, 2 noz-



IRON AGE SPRAYER No. 197

A perfect outfit for gardens, small farms, poultry, plants, etc.; capacity, 20 gals. Pump all brass with a 6-inch stroke, large air chamber with a 100-lb. pressure capacity; bronze brass ball valves of easy access. Equipped with a perfect agitator, 4 feet of extension rod with hand grip and 4 feet of 1/2 in. hose, stop cock and nozzle. \$20.05.

EXTENSION PIPES, Etc.

Pet Cock, for extension pipes...... 50 Iron Age. Fig. 419—Steel pipe 10 ft.

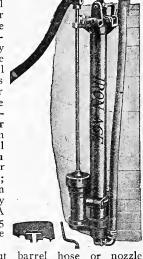
long, with an angle connection, stop cock, 2 hand grips and drip guard, for 1/2-in. thread. Price, \$3.15.

Iron Age. Fig. 420-Bamboo casing with brass pipe inside, with angle connection, stop cock, 2 hand grips and drip guard, 10 ft. long for ½ in thread. Price, \$4.25.
Paragon Extensions, 2½ ft., 35c. each.

Parcel post weight, 12 ozs.

IRON AGE SPRAYER No. 194

For the small orchard, farm or garden, can be attached in stantly to any barrel. The pump and all working parts except agitator and suction pipe are on the out-side. The latter is equipped with a bronze ball valve, which adds to its power and efficiency; packing, woven easilv



without barrel hose or nozzle,

No. 194 T. I. A. SPRAYER

The equipment above with a 21/2-in. iron tire wheel-truck, 50 gal. barrel, without hose or nozzle, \$27.55, or \$31.80 with 15 ft. hose and nozzle.

IRON AGE SPRAYER No. 195

This is really a duplicate of pump No. 107. described in the opposite column, except that it is adapted or equipped for bucket use. The pump is securely fastened to a cedar bucket of 16 qts. capacity, nicely painted. The equipment can be picked up and easily moved from place to place. Equipped with a 2-ft. extension rod, a Vermorel nozzle with an extra solid stream cap and 4 ft. 1/2-in. hose. Price, \$9.50.



LEWIS' SHEET BRASS SYRINGE

Capacity about I quart, \$2.00. Parcel post weight, 21/2 lbs.

HEAVY BRASS SYRINGES

No.	Diam.	Lengt	h		Parce We	el Post ight	Price
99	—I½″	18"	I	spray	13/4	lbs.	\$2.75
IOI	—I¼"	14"	2	sprays	.2	lbs.	2.50
IOI	1 √2″	16"	2	sprays	.21/4	lbs.	3.75
104	—1¾″	18"	2	sprays	.41/2	lbs.	6.50
107	—1¾"	20"	(,	Adjustable) 5	lbs.	6.00

FERGUSON BRASS GREENHOUSE SPRAYS

With I fine and I coarse spray rose, \$3.00.

SPRAY NOZZLES (3/8 in. thread)

(,0
Bordeaux and Vermorel, 8 ozs\$0.85
Mistry, Jr., 5 ozs
Winkle Mist, 4 ozs
Paragon style, 4 ozs
Duplex Vermorel (2 nozzles), 14 ozs. 1.75
Triple Vermorel (3 nozzles), 16 ozs 2.50
Quadruple Vermorel (4 nozzles), 2 lbs. 3.00
Duplex Mistry (2 nozzles), 2 lbs 3.00
For 3/4-in connections add ago, to the

SIMPLEX PUMP No. 550



Simplex Pump

One of Deming's very best sprayers. Fitted with brass cylinders. Equipped with an automatic agitator. Will throw a stream 40 feet. Plain Pump, no hose nozzle or barrel. \$9.00.

Outfit A-Pump with 121/2 ft. 1/2-in. hose fitted with a Bordeaux or Vermorel nozzle and pole connection for reaching into trees, no barrel. \$12.00.

Outfit B-Pump, with two 121/2-foot sections of 1/2-in. hose, two Bordeaux or Vermorel nozzles, pole connection, no barrel. Price, \$15.00.

CENTURY PUMP No. 645

A very powerful pump; working parts are entirely of brass; has large air chamber; also a perfect agitator and a long fulcrum link, which enables the operator to work the pump with little effort.

Price for pump, no barrel or hose, \$11.00. Price, complete, with 121/2-ft. 1/2-in. hose and nozzle, no barrel, \$14.50. Price, with two 121/2-ft. leads, hose and nozzles, no barrel, \$18.00.

Barrels, with cut head, \$3.75.

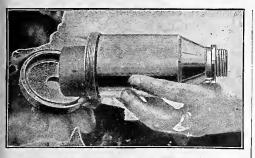


No. 4 PARAGON SPRAYER

Designed for spraying whitewash and water paints in poultry houses and buildings, also for spraying trees and shrubbery. Equipped with 10 feet of extension pipe, 20 feet 6-ply hose and 2 spraying nozzles. Price, complete as in cut, \$25.00, or with 28 gal. barrel, but no truck, \$19.00.

above nozzle prices.

MICHELL'S RELIABLE SPRAYING APPARATUS²²⁷



THE KIRKE FEEDER

Made to accommodate cartridges of various kinds, containing fertilizer and insecticide ingredients, each separate. See page 218 for full directions.

Nickeled Cartridge Holder	\$2.00	Doz.
Salt Cartridges	.10	\$1.00
Arsenate of Lead Cartridges.	.38	4.00
Tobacco Cartridges	.30	3.00
Fertilizer Cartridges	.20	2.00
Bordeaux Cartridges	.25	2.50

NO. 22 BINKS COMPRESSED AIR SPRAYER

Galvanized steel tank, 5 gallons ca-pacity. Brass pump with a patent clamping device, equipped with 3 feet of hose, spray nozzle, shut off cock and shoul-der strap. It is claimed that this is the only compressed air sprayer that will discharge the entire contents with one pumping. P. P. Wt., 15 lbs. Price, \$6.75.





DEMING KNAPSACK SPRAYERS

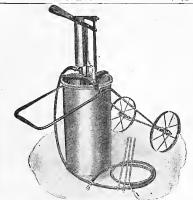
These are elegant for carrying around the garden, among shrubbery and tree work,

Fig. 675. Copper tank, holding about 5 gals., complete, with pump, nozzle nozzle and hose..... 0.00 Deming Knapsack Sprayers are not mailable.



No. 651 GARDENER'S CHOICE SPRAY OUTFIT

Here is an equipment that is easily worth \$5.00 more than we ask for it; truly it is the greatest value in spray pumps we have; the reservoir holds 25 gals.; the pump has brass cylinder, and it is a complete equipment with hose and nozzle. Price, \$22.00.



No. 3 Paragon Sprayer

THE PARAGON SPRAYER

Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir, although we recommend that this be done; guaranteed to give absolute satisfaction. lent for applying whitewash or paint.

Bucket Washers for Paragon Sprayers,

No. o-Equipped with a 3-gal. reservoir, 4 ft. of hose, nozzle and extension pipes, Price, \$9.00

No. I-With a 5-gal. reservoir, 5 ft. of hose and 2 extension pipes, \$11.50.

No. 3—Equipped with a 12-gal. tank mounted on a truck, three 2½-ft extension pipes, 2 nozzles and 10 ft. of hose, \$17.00.

No. 4—(see page 226)—Mounted on a twowheel truck; equipped with 10 ft. of extension pipe, 20 ft. of hose and 2 nozzles. 25-gal. Barrel, complete, \$25.00.

Paragon sprayers are not mailable.

COPPER STRAINER



For straining whitewash, spraying material, etc. The neck is of the correct size to fit into the reservoir of an auto-spray, which allows both hands to be free when using it. \$1.00 each. P. P. weight, 3/1b.

Success Pump

BUCKET **SPRAY PUMPS**

These are made entirely of brass except the foot rest, bucket fastener and hand grip. The prices below do not include bucket, but include nozzle and 31/2 feet of 3/8 in. hose.

No. 256. Success (without bucket fastener) \$4.85. P. P. weight, 7 lbs.

No. 689. Perfect Success (with bucket fas-

tener), \$5.25. P. P. weight, 9 lbs.

THE AUTO SPRAY



Auto Spray in operation

It operates with com-pressed air; safe and efficient; liquid capacity, g a 1 lons; pressure capacity, 40 lbs. The Brown Auto - Spray is probably the first real successful Compressed Air Sprayer ever put on the market. Previous to its introduction there were other makes. some of them still being offered for sale. have had a wide and varied experience with the dif f erent ones, and after personal tests and noting the

experiences of our customers, finally adopted as our standard compressed air sprayer this make. No sprayer is sold under broader guarantee for efficiency and durability. The Auto-Spray must please and will accom-plish all that any first-class sprayer will or the purchase price will be refunded. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best, as corrosive solutions can be used in it without injuring the same. Sprayers are not mailable.

No. I-A Brass equipped with hose and regular nozzle, \$7.50.

No. 1-B Brass equipped with hose and

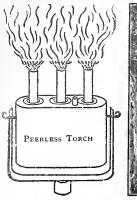
Auto-Pop Attachment, \$8.00 No. 1-C. Galvanized Iron equipped with hose and regular nozzle, \$5.00.

No. 1-D Galvanized Iron equipped with

hose and Auto-Pop, \$5.50.

Auto-Pop Nozzle Attachment controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately, \$1.50 each. P. P. weight, 1 lb.

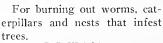
228 MICHELL'S SPRAYING AND INSECTICIDE APPARATUS, Etc.





Asbestos Torch

OIL TORCHES



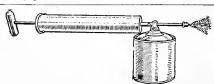
p p	We	ight	
Peerless.	. ,, c	Îb	.\$0.65
Reservoir.	I_2	1b	25
Asbestos.	I	1b	40

Reservoir Torch

POLES FOR TORCHES, Etc.

Hickory wood, 12 feet, 75c.; 14 feet, heavy, \$1.00; 16 feet, \$1.25. Poles are not mailable.

Bamboo Poles. 18 ft., very strong, used extensively for brushing worm casts off putting greens, etc. Each, 25c.; doz., \$2.50; 100, \$15.00.



AUTOMATIC COMPRESSED AIR SPRAYER

Parcel Post Weight, 2 lbs.

This is the grandest hand sprayer ever offered, very easily operated, especially desirable for ladies use.

Tin.....each, \$1.00 | Brass....each, \$2.00



CYCLONE HAND SPRAYERS

Similar to the above except they do not have the automatic air reservoir attachment. P. P. weight, $1\frac{1}{2}$ lbs.

No. 112, Tin, large, 50c.; Tin, small, 30c.; No. 114, Brass, \$1.00.

PARCEL POST SHIPMENTS

Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post office for proper amounts.



SULPHUR BLOWER

For distributing sulphur and insecticides of various kinds. Price, \$4.50.

FUMIGATORS

Perfection Make

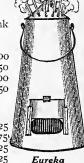
Fitted with water tank to prevent burning out.

N	0.		_			
		house	12X 40	ft.	\$3.00	
2		6.	15x100		3.50	
3	"	44	20X100		4.00	-
3 5	66	"	20X150		5.50	
		Grand	lea Mal			M

Eureka Make

No.
1 for house 10x 20 ft. \$1.25
2 " " 12x 40 ft. 1.75
3 " " 15x100 ft. 2.25
4 " " 20x100 ft. 3.25

Fumigators cannot be mailed.



VAPORIZING LAMP actical and indestruetal, burns kerosene

Practical and indestructible, all metal, burns kerosene, used for dispensing fumes of Nicoticide, Tobakine and other preparations of this sort. 60c. each. P. P. weight, 3/4 lb.



No. 3271/2 MYER'S BUCKET PUMP

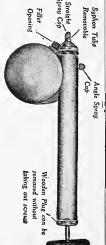
This is a double brass chamber arrangement, and fills the want of those desiring a medium priced & & ...

sprayer. Price, \$3.25. P. P. weight, 9 lbs.

HAND AUTO-SPRAY No. 37C

A splendid sprayer for the flower and vegetable garden, greenhouse, window garden or conservatory. The reservoir is all brass while the pump portion is tin; capacity 1 qt. It operates by air which is compressed with the handle, thus furnishing a continuous spray. It has a nozzle for throwing a fine mist spray forward, also a device for spraying.

P. P. Wt., 3 lbs., \$1.50



PARIS GREEN SHAKERS

Tin. For dusting vegetables, potatoes, s m all fruits and shrubbery, 5oc. each. P. P. weight, 2 lbs.

Farmer's Favorite. (See cut.) Large double-action affair, \$1.75 each P. Weight, 4 lbs.





DICKEY DUSTER

Excellent for distributing Bug Death, Slug Shot, etc. Price, 30c.; P. P. weight, I lb. "Acre an Hour" Sifter, 75c. P. P. Weight, 2 lbs.

CHAMPION GUN

This machine will distribute dry insecticides, covering one or two rows at one time. Will save its price in material used in one season. Price, \$9.00 P. P. Wt., 8 lbs.





WOODASON HAND BELLOWS

P. P. Weight

Large double cone, each	5	1bs.,	\$3.50
Large single cone, each			
Small single cone, each			
Liquid spraying, small	3	lbs.,	1.75
Liquid spraying, large	4	lbs.,	2.50
Sulphur Bellows, each			2.00

WHIRLWIND POWDER GUNS



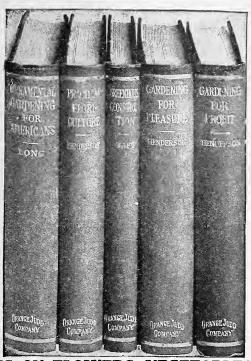
Very useful for distributing dry powder. Price, 25c.

P. P. Wt., 8 ozs.

Our Garden Tool Department we believe to be the most fully equipped of any seed store in the United States. Most every tool of real merit for garden work will be found here, and of the best quality.

MICHELL'S BOOKS On AGRICULTURE, HORTICULTURE, POULTRY 229 AND MATTERS PERTAINING THERETO

(Mailed Postpaid at prices quoted)



BO	DKS	ON	FLOV	VERS.	VEGETABLES.	Etc

DOURS ON LEGITLES, LEGETABLES, L	
Alfalfa Growing (F. D. Coburn)	6.50
Agriculture, The Principles of (Bailey). A text-book	1.25
Amateur's Practical Garden=Book. Contains directions	
for the growing of the things about the house and garden	1.00
Asparagus. (Hexamer). Its culture for home for market	.50
Berry Book (Biggle)	.50
Berry Book (Biggle)	.50
Bulbs and Tuberous Rooted Plants (Allen)	1.50
Cabbage, Cauliflower and Allied Vegetables (Allen)	.50
Carnation Culture (Lamborn). An up-to-date book	1.50
Gardeners and Florists' Annual. A book full of valuable	
information	.50
Chrysanthemum Manual (Smith). A complete guide	.50
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	2.25
Farming (Practical) (Massy)	1.50
Fertilizers (Gregory). How to Make and When to Use	.50
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Fruit Culturist American (Thomas)	2.25
Fruit Garden (Barry)	1.50
Fruit Garden (Barry)	
truit, flower and vegetable garden	1.50
Gardening for Profit. On vegetable gardening	1.50
Garden-Making (Bailey). Tells how to utilize grounds	1.50
Garden Primer. A heap of practical suggestions	1.10
Ginseng (Kaines). Cultivation, harvesting and marketing	.50
Grape Culturist (Fuller). Best work on the hardy grape	1.50
Grasses for lawns and fields (J. T. Barenbrug)	1.00
Greenhouse Construction (Taft)	1.50
Greenhouse Management (Taft)	1.50
Garden Book (The practical) (Hunn and Bailey)	1.00
Handbook of Plants (Henderson). A dictionary on plants.	3.00
Hardy Garden Book (Ely) Home Floriculture (Rexford). A guide for the amateur	1.75 1.00
How to Grow Roses (By Robert Pyle)	1.00
House Plants and How to Succeed with Them. (Hill-	
house). A splendid book for ladies who grow plants	1.00
How to Plan the Home Grounds (Parsons)	

BOOKS ON POLITTRY AND ANIMALS

DOULD ON LOCALLY AND AMENALS	,
A. B. C. of Bee Culture (Root)	\$2.00
Artificial Incubating and Brooding, of pages, illustrated	.50
Bantam Fowl (The). By McGrew. 72 pages	.50
The Asiatics, Brahmas, Cochins and Langshans. 100	
pages Capons for Profit (Greiner) Chickens, All About (Johnson). Cloth, 50c.; paper, 25c.	.50
Capons for Profit (Greiner)	.50
Chickens, All About (Johnson). Cloth, 50c.; paper, 25c.	
Chick Book (The). Tells how to obtain good hatches. So pages	.5C
Diseases of Poultry (Salmon)	.50
Dog, The (Maxtee) Cloth, 50c.; paper, 25c.	
Ducks and Geese gives all details. 104 pages	.75
Ducks, Indian Runner (Yoder)	.50
Egg Record and Account Book. 32 pages	.25
Eggs and Egg Farms. The lengthy chapters on pedigree breeding will be found invaluable to breeders of all strains.	
breeding will be found invaluable to breeders of all strains.	.50
200 Eggs per Year per Hen	.50
Leghorns. The best mating schemes clearly described	1.00
Million Egg Farm (The) Money in Broilers and Squabs (Boyer)	1.00
Money in Broilers and Squabs (Boyer)	50
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Orpingtons (The)	-75
Plymouth Rocks (The). Barred, Buff and White. Special-	
ists describe mating and breeding methods. 160 pages	1.00
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Squab Book (Howard)	.50
Standard of Perfection. Explains all the scoring points	2.00
Successful Poultry Keeping contains complete and prac-	
tical, reliable information on the subject. 176 pages, illus.	1.00
Turkeys. Every detail of the business explained. 96 pages.	-75
Winter Eggs (How to Get Them) (Robinson)	.50
Wyandottes, The. (Grevenstedt) All strains. 160 pages.	1.00
Minorcas (Northrup)	.50
474444	_

²³⁰Michell's Insect and Vermin Destroying Preparations

Ant Exterminator (Magic). A powder that is used for distributing around buildings, on the greenhouse benches, on lawns, gardens, and any other places infested by ants. Per 1/4 lb., 20c.;

per ½ lb., 40c.; 75c. per lb.; 5 lbs., \$3.00.

Ant Exterminator (Conellans). In liquid form, designed especially for use on lawns, tennis courts and putting greens; positively effectual. Apply with special squirt gun. I gal., \$1.25; \$6.00 for 5 gals. Special Squirt Gun for applying, \$1.25 each; (by Parcel Post, \$1.35).

Anti-Pest (Carmen's). For destroying red spider, scale and green fly. 50c. qt.; ½ gal., 75c.; \$1.40 per gal.; 5 gals., \$5.75. Aphine. For destroying aphis, green fly, thrip, red spider and other greenhouse and outdoor insects. It dilutes readily in water about I part to 40 of the latter. 1/4 pt., 25c.; 40c. per 1/2 It dilutes readily in

pt.; pt., 65c.; \$1.00 per qt.; per gal., \$2.50.

Aphis Punk. A paper that has been thoroughly saturated with nicotine. Used for fumigating, giving off dense fumes of nicotine. Excellent for aphis, thrip, white and green fly, also red spider. (For use in greenhouses only.) Per pkg., 60c.; \$6.50 per 12 pkgs.

Arsenate of Lead. For spraying trees and shrubs against the attacks of leaf-biting insects of all kinds, especially valuable for spraying to prevent the codling moth. It comes in paste form and dilutes I lb. to 25 gals. water. Per lb., 25c.; \$1.00 per 5 lbs.; per 12½ lbs., \$2.25; \$3.50 per 25 lbs.; \$6.25 per 50 lbs.; per 100 lbs., \$11.00.

Arsenate of Lead (Powdered Cal-Arsenate). I lb. to 11/2 lbs. dilutes to 50 gals. of water, or may be used dry, like Paris Green. 35c. per lb.; 5 lbs., \$1.50; \$2.75 per 10 lbs.; 25 lbs., \$6.00;

\$10.50 per 50 lbs.; 100 lbs., \$20.00.

Black Leaf 40. A concentrated solution of nicotine Sulphate, an excellent spray for black aphis and sucking insects of all kinds; dilutes I part to 900 or 1000 parts of water, according to treatment. Full directions on each package. I oz., 25c.; 1/2 lb.,

75c.; \$2.50 per 2 lbs.; 10 lbs., \$10.75.
ordeaux-Arsenate. This is a combination of Arsenate of Lead Bordeaux-Arsenate. and Bordeaux Mixture, in nature like Pyrox. Its use combines an application of Fungicide and Insecticide at one time. A pound dissolves with 5 gallons of water. It sticks to the foliage and will not wash off for a long period. 1lb., 25c.; \$1.10 per 5lbs.; 10 lbs., \$2.00; \$4.25 per 25 lbs; 50 lbs., \$8.00; \$14.00 per 100 lbs. ordeaux Mixture. Used principally for mildew, blight and

Bordeaux Mixture. fungous diseases that affect potatoes and fruit trees. Paste form: I qt., 40c.; \$1.10 per gal.; 5 gals., \$5.00. One gallon makes 50 gallons material. Dry Form: I lb., 30c.; 5 lb. pkg. (makes 30 gals.), \$1.00; \$1.75 per 10-lb. pkg. (makes 50 gals.). Boro-Wax. For painting trees to destroy and keep away borers.

35c. per qt.; ½ gal., 6oc.; per gal., \$1.00; \$5.00 for 6 gallons. Bug Death. Largely used instead of Paris Green. It is claimed to have the same effect. The manufacturers say that it acts as a fertilizer as well as an insecticide. It comes in powder form, and is applied pure. Not poisonous to persons. Per lb., 15c.; 40c. per 3 lbs.; 5 lbs., 60c.; per 12½ lbs., \$1.10; \$7.50 per 100 lbs. (Special Shaker for Bug Death, 30c.).

(Powdered). This is also termed Arsenate of Lime, supposed to be an improvement on the powdered forms of Arsenate of Lead; is used for the same purposes as the latter, but is claimed to be 50 per cent. stronger. Dilutes I to 1½ lbs. to 50 gals. water, or can be used dry. 1 lb., 35c.; \$1.50

for 5 lbs.; 10 lbs., \$2.75; \$6.00 for 25 lbs.

Copper Solution. Made of sulphate of copper and other materials. Excellent spray for carnation rust and diseases of the grape, pear, apple, and other fruits. A good thing to use for leaf blight and mildew. It is diluted in water. Per qt., 75c.; \$2.00 per gallon.

Cut Worm Destroyer (Reade's). For killing cut worms, grubs and maggots that work in the soil. I lb., 25c.: 5 lbs., 8oc.; 10

lbs., \$1.25; \$2.50 for 25 lbs.; 100 lbs., \$7.50. Sodium Cyanide (Fused). For fumigating. 30c. $\frac{1}{4}$ lb.; lb., 90c. Dalmatian or Persian Powder. For ridding buildings of all kinds of insect pests; particularly for the smaller and creeping kinds. 20c. per 1/4 lb.; 1/2 lb., 35c.; I lb., 60c.; \$2.75 per 5 lbs

Death to Lice (Lambert's). For plant lice, adhesive to foliage.

5 oz., 10c.; 25c. for 15 oz. Fir Tree Oil Soap. This is very much like the Fir Tree Oil, except that it is in the shape of soft soap, and many prefer to use it in that way. It is dissolved according to directions in warm or hot water and used as a spray or wash. Per 1/2 lb., 35c.; \$1.00 per 2-lb. can.

Fish Oil Soap. For mild forms of Scale, and is an excellent summer spray, when something stronger cannot be used, where the San Jose Scale exists. It is nice for washing off Lemon trees, Oleanders, and almost anything that would be infested with soft-shelled or in fact most any kind of insect. Dissolved in water according to various purposes. Per 1/2 lb., 10c.; 20c. per lb.; per 5 lbs., 65c.; \$1.20 per 10 lbs.; per 25 lbs., \$2.75; 50 lbs., \$5.00; \$9.00 per 100 lbs.

Fish Oil Soap (Good's Caustic). Used extensively as a tree spray and as a summer remedy for San Jose Scale, it comes in a soft soap form and is easily dissolved, I lb. to 10 gals. water. 25c. per 1-lb. can; 5-lb. can, \$1.10; \$4.50 per 25-lb. can. Barrel lots of about 425 lbs., at 10c. lb.

Fungine. An excellent remedy for fungous diseases of all kinds.

\$1.00 per qt.; per gal., \$3.50. Getz There Soap. Ideal for washing palms and spraying in place of Whale Oil Soap. 2 lbs., 40c.; \$1.00 for 8 lbs.; 25 lbs., \$2.50.

Grape Dust. A powder preparation used for mildew, aphis, black fly, and other insects and fungous diseases, principally in greenhouse. Per 5 lbs., 45c.; 80c. per 10 lbs.; per 25 lbs., \$1.90; \$6.75 per 100 lbs.

Hellebore. The ideal material for destroying rose bugs, current worms, and other soft-shelled insects that infest the garden. It can be applied dry or in liquid form. 1/4 lb., 20c.; 35c. per

1/2 lb.; per lb., 6oc.; 5 lbs., \$3.00.

I X L Compound. English preparation for spraying; harmless to very delicate plants. Kills mealy bug, red spider and all

insect pests. \$3.50 per gallon. Hydrocyanic—Acid Gas (Fumigation with Sodium Cyanide Fused) (Poison). Put four ounces of water in a galvanized iron pail, add to this 2 oz. of Sulphuric Acid, wrap an ounce of Sodium Cyanide in paper and place it in the bucket, which should be placed near the door of the greenhouse to afford The above charge is sufficient for 1000 cubic feet of space. Don't open the greenhouse for at least 12 hours. One of the ventilating sash should be arranged so it can be opened from the outside to allow the fumes to escape entirely before entering. This is claimed to be the best remedy to kill the white fly. 96/98% Sodium Cyanide Fused (Poison), 30c. per 1/4 lb.; 1/2 lb., 50c.; 90c. per lb. Sulphuric Acid we do not supply, we advise to obtain same locally.

Kerosene Emulsion (Liquid). Diluted in water this makes an excellent spray for all mild forms of scale, and soft lice of any kind such as infest rose and fruit bushes, vegetables and trees. Dilutes I part to 20 parts of water. Lb., 25c.; \$1.00 for 5 lbs.;

25 lbs., \$3.00; \$5.50 for 50 lbs.

Kil-o-Scale. Destroys and prevents the spread of scale insects of all kinds. Its chief use is the destruction of the San Jose Scale, which prevails in all parts of this country. It is diluted, one part Kil-o-Scale to twenty parts water. Per pt., 35c.; 6oc. per qt.; per ½ gal., 85c.; per gal., \$1.35; \$5.50 per 5 gals.; per 25 gals., \$22.50; per 50 gals., \$45.00.

Lemon Oil Co's Insecticide. The best and cheapest insecticide

in the market. Used by nearly all the leading growers. effectually destroys mealy bug, scale, thrip and red spider.

Half pt., 25c.; pt., 40c.; qt., 75c.; half gal., \$1.25; gal., \$2.00; 5-gal. kegs, \$9.00; 10-gal. kegs, \$17.50.

Lime Sulphur. For destroying San Jose Scale. This is a concentrated form which is diluted I gal. to 12 or 15 gals. water, either hot or cold. May be used as a summer or winter spray, excellent to use as a fungicide. 25c. qt.; 1/2 gal., 45c.; 75c. gal.; 5 gals., \$2.50; \$4.00 for 10 gals.; 25 gals., \$6.50; \$10.00 per 50 gals.

Lime Sulphur (Modoc Brand, Dry Powder Form), Powdered Lime Sulphur is becoming very popular on account of the small expense for shipping. It is instantly soluble in either cold or hot water, dilute 1 lb. to 6 gals. of water; does not separate, keeps indefinitely. Lb., 25c.; \$1.00 for 5 lbs.; 10 lbs., \$1.50; \$3.00 for 25 lbs.; 50 lbs., \$4.50; \$6.75 per 100 lbs.



CARBONDALE HYDROMETERS

These are highly recommended by the Pennsylvania State Department of Agriculture for testing the gravity of Lime Sulphur solution. One should be in the hands of every man who uses this material. Price, \$1.00. (Postpaid, \$1.10.) With directions.

Michell's Insect and Vermin Destroying Preparations 231

Nicoticide. Used as a spray or as a vapor, principally in the latter way, it is placed in a tin saucer with lamp underneath, and the nicotine fumes are thus distributed. It is very effective in destroying thrip, aphis, white fly, and red spider, etc. I oz. bottles, 25c. each; 2 oz. bottles, 50c. each; per ½ pt., \$1.25; per pt., \$2.50; per qt., \$4.50; \$8.25 per ½ gal.; I gal., \$15.00. (LAMPS for Nicoticide, 50c. each.)

Nicotinana. A nicotine solution for spraying and vaporizing. \$1.50 per qt.; per gal., \$4.50.

Nicotine Cones (See Vapor Cones).

Nico-Fume (Liquid). This is used in very much the same way as Nicoticide. Per ½ lb. (about ½ pt.), 5oc.; \$1.50 per lb. (about 1 pt.); 4 lbs. (about ½ gal.), \$5.50; \$10.50, 8 lbs.

Nico-Fume. This is a paper treated with nicotine, giving off dense fumes of strong nicotine when ignited. Preferred by many who do not wish to spray or vaporize. Per box, 24 sheets, 85c.; per 144 sheets, \$4.00; per 288 sheets, \$7.50.

Nikoteen. One of the very best forms of tobacco or nicotine preparations, usually diluted in water, makes a most satisfactory spray as well as vapor, excellent for pea lice in the garden. 1/2 oz., 15c.; 4oc. for 13/4 oz.; 8 oz., 85c.; \$1.50 per pt.; gal., \$10.00.

Paris Green. The chief merit of this article is the destruction of the potato bug. It may be used in liquid form, I pound in 50 gallons of water, or with Land Plaster at the rate of I pound Paris Green to 100 pounds Land Plaster. 15c. per 1/4 lb.; per 1/2 lb., 25c.; 45c. per lb.; \$2.00 per 5 lbs.; per 14 lbs., \$5.25.

Pyrox (Bowker's). A pasty substance used for all leaf-biting insects. It is really a Bordeaux and Arsenate of Lead combined and is excellent. Dilute I lb. to 5 gals. water. 30c. per lb.; 5 lbs., \$1.10; \$2.00 per 10 lbs.; 25 lbs., \$4.75; 50 lbs., \$8.00; \$15.00 per 100 lbs.; 300 lbs., \$43.50.

Rat Corn. For destroying rats and mice in greenhouses, hotbeds, etc. 15c., 25c., 5oc. and \$1.00 per box.

Rax. Destroys rats and mice without injury to other animals; it mummifies them. 50c. per bottle.

Readeana Rose Bug Exterminator. Used for destroying rose bugs, green fly, mealy bug, blight, mildew, etc. 4-oz. bottle, 25c.; 8-oz. bottle, 5oc.; \$1.00 per 24-oz. can; per gal., \$4.00.

25c.; 8-oz. bottle, 5oc.; \$1.00 per 24-oz. can; per gal., \$4.00. Sulphocide. A summer spray against fungous diseases, one of the best preparations of its kind. 5oc. pt.; qt., 75c.; \$2.00

per gal.

Scalecide. Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 20 gallons water. Scalecide does not clog nozzles, hose or pump, and is pleasant to use. 45c. per qt.; per gal., \$1.10; \$3.50 per 5 gals.; 10 gals., \$6.50; \$17.00 per 30-gal. bbl.; per 30-gal. jacketed tin, \$16.00; \$26.00 per 50-gal. bbl.

Scale Destroyer. For San Jose Scale, I gal. dilutes to 20 gals. water. Per qt., 35c.; 65c. per ½ gal.; per gal., \$1.00; \$3.75 per 5 gals.; 10 gals., \$7.50; 25-gal. bbl., \$13.00; per 50-gal. bbl., \$25.00.

Shoo Fly. For keeping flies off cattle and horses, used with a sprayer or a sponge, the cattle and horses are either sprayed or rubbed with the preparation in the morning before being put in the field or out to their day's work. Per qt., 35c.; \$1.00 per gal.; 5 gals., \$4.50.

Slug Shot. The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable or flower garden. 15c. per canister; per 5 lbs., 40c.; 75c. per 10 lbs.; 25 lbs., \$1.75; \$3.50 per 50 lbs.; 100 lbs., \$6.50. Full bbl. lots (about 250 lbs.), 5½c. per lb., f. o. b. factory; 6c. per lb., f. o. b. Phila.

Sulphate of Copper. For destroying fungous diseases of all kinds, also used in making Bordeaux mixture, and for spraying potato vines in connection with Paris Green. Where used as a Bordeaux mixture it requires four pounds Sulphate of Copper to 6 pounds Lime, which is diluted in 50 gallons of water. Per lb., 16c.; \$1.40 per 10 lbs.; 25 lbs., \$3.25; \$12.50 for 100 lbs.

Sulphur. Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale when it is used in connection with lime and salt. Per lb., 10c.; 35c. per 5 lbs.; 25 lbs., \$1.40; \$4.50 per 100 lbs.

Sulphur Candles. For fumigating in sick-rooms, also in conservatories and greenhouses. Large, 20c. each; per doz., \$2.00; small, 10c. each; per doz., \$1.00.

Thrip Juice (Hammond's No. 2). This preparation is very effective against aphis, red spider, mealy bugs and sucking insects generally. 60c. pt.; qt., \$1.00; \$3.25 per gal.

Thymo Cresol (Sheep Dip). This preparation is used for disinfecting, etc.; it is also an excellent cold water sheep dip. Per 4-oz. bottle, 25c.; 4oc. per 8-oz. bottle; per pt., 5oc.; per qt., 7oc.; \$1.10 per ½ gal.; per gal., \$2.00.

Tobacco Dust for dusting only. Excellent for Lettuce and other plants to destroy soft, creeping insects. Per lb., 10c.; 25c. per 5 lbs.; per 10 lbs., 45c.; \$1.00 per 25 lbs.; 100 lbs., \$3.50.

Tobacco Dust (*Special*). For either fumigating or dusting. A specially prepared article; state which kind is wanted when ordering. 5 lbs., 35c.; 6oc. per 10 lbs.; 25 lbs., \$1.35; \$2.00 per 50 lbs.; 100 lbs., \$3.50.

Tobacco Soap (Sulpho). A combination of tobacco extract and sulphur, fine for washing and spraying plants; dissolve in warm water. 3-oz. cake, 1oc.; 2oc. per 8-oz. cake; 10 lbs., \$2.50.

Tobacco Stems (*Fresh*). Used principally for fumigating and under benches in greenhouse. They may also be steeped in hot water and used as a spray. Per lb., 5c.; 2oc. per 5 lbs.; \$2.00 per 100-lb. bale; \$13.50 per half ton; per ton, \$25.00.

Tree Tanglefoot. A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Per lb., 35c.; 3-lb. can, 85c.; 10-lb. cans, \$2.75; \$5.25 per 20 lbs.

Vaporite. Vaporite is a gray non-poisonous powder which, when it comes into contact with soil, gives off a vapor. This vapor kills all underground insects such as Wireworms, etc. Vaporite is for soil application—not for the leaves of the plant. Vaporite should be uniformly distributed on the surface or in the soil among the insects, so that the gas evolved may destroy them. I lb., 15c.; 6oc. per 5 lbs.; 10 lbs., \$1.00; \$2.25 for 25 lbs.; 50 lbs., \$4.25; \$7.50 per 100 lbs.

Vermine. A soil sterilizer, a germicide. Will destroy worms, maggots, etc. It is usually applied at the time of preparing potting soil. Dilute at the rate of one part to 400 parts of water and thoroughly soak the oil. Stock unobtainable at this time.

Worm Destroyer (For Earth Worms). This preparation is made in England, where it is being applied to grass plots, putting greens, etc., with great success. It is a powder and is distributed over a given surface and soaked with water, which causes the worms to come to the surface, where they may be scooped up readily and further destroyed. It acts as a fertilizer as well as worm destroyer.

Michell's Brand. We regret we cannot supply this now owing to European complications.

Carter's Brand. In 100-lb. bags only. \$5.50 per 100 lbs.; 500 lbs., \$25.50; \$52.50 per 1000 lbs.; 2000 lbs., \$92.50.

Worm Eradicator (Reade's Electric). This has been found to effectually destroy worms in greenhouse benches and in potted plants, or for outdoor use in the flower and vegetable garden, or among trees. 4-oz. bottle, 3oc.; 8-oz. bottle, 5oc.; \$1.00 per 24-oz. bottle; \$4.00 per gal.; \$17.50 per 5 gals.; 10 gals., \$35.00.

Worm Eradicator (Radix). Destroys worms in lawns, on tennis courts and putting greens. I gal. makes 100 gals, of treating liquid. \$2.00 per gal.; per 5 gals., \$9.25; \$37.50 per 25 gals. Powder form: I lb., making 30 gallons of liquid, 60c. per lb.; per 25 lbs., \$12.50; \$22.50 per 50 lbs.; per 100 lbs., \$40.00.

Vapor Cones (Lethorion Nicotine). An English invention providing nicotine in a solid form. The ideal fumigant for either large greenhouse or small conservatory. No. 1 will fumigate 1000 cubic feet, 15c. each. doz. \$1.50; No. 2 will fumigate 1500 cubic feet, 25c. each, doz. \$2.50; No. 3 will fumigate 2500 cubic feet, 30c. each, doz. \$3.00.

Zenoleum. A germicide and disinfectant. Endorsed by fortyfour State Experiment Stations and Agricultural Colleges, and the leading live stock men of America. Zenoleum is a concentrated solution of coal tar. It mixes with hot or cold water. It will penetrate deeper and more rapidly than any other disinfectant. Liquid, ½ pt., 25c.; 5oc. qt.; ½ gal., 9oc.; \$1.50 gal. Powder, 25c. per 16-oz. pkg.

Michell's High Grade Fertilizers

All Prices on Fertilizers Subject to Market Changes

Acid Phosphate. (See Phosphate.)

Animal Bone and Potash. An ideal fertilizer for almost any farm or garden crop. Apply at the rate of 400 to 600 lbs. per acre. Per 200-lb. bag, \$3.75; \$16.00 per ½ ton; ton, \$31.00.



Ashes (Canadian Hard Wood). Apply 1000 lbs. per acre. For top dressing lawn and grass fields, it is applied to best advantage either in very early spring or late fall. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 6oc.; \$1.00 per 50 lbs.; 100 lbs., \$1.75; \$3.00 per 200-lb. barrel; 1000 lbs., \$13.50; \$26.00 per ton.

Ashes (Domestic Hard Wood). We have contracted to secure a quantity of these Wood Ashes from a nearby concern, and on account of the savings in transportation we are able to furnish this article at a much reduced rate. It is rich in Potash (a very scarce article just now). Excellent for top-dressing lawns or grass fields, or for mixing with potting soil. Not less than 200 lbs. sold. \$2.25 per 200 lbs.; 600 lbs., \$6.00; \$10.50 per 1/2 ton; \$18.00 per ton (special price f. o. b. gathering point).

Asparagus Fertilizer (Pure Bone and Potash). A mixture that promotes the root and top growth. Apply 600 lbs. per acre. 85c. per 25 lbs.; 50 lbs., \$1.25; \$2.00 per 100 lbs.; 200 lbs., \$3.75; \$32.00 per ton.

Basic Slag. (See Phosphate.)

Blood (Dried). For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.25; \$2.00 per 50 lbs.; 100 lbs., \$3.75; \$7.00 per 200 lbs.

lood Flour. Apply 200 lbs. per acre. Much like dried blood except that it is finer and acts almost instantly. 5 lbs., 40c.; Blood Flour. 75c. per 10 lbs.; 25 lbs., \$1.50; \$2.50 per 50 lbs.; 100 lbs., \$4.75; \$9.00 per 200 lbs.

A concentrated chemical fertilizer similar to Bon Arbor. Bonora but less expensive; used in liquid form according to directions on the packages. I gal., \$2.00; \$7.50 per 5 gals. In powder form, dilute I lb. of powder to 30 gallons of water. ½-lb. can, 30c.; per 1 lb., 50c.; \$1.80 per 5 lbs.; 50 lbs., at 25c. per lb.; 100 lbs., at 20c. per lb.; bbls. (200 to 250 lbs.), 18c. per lb.

Bone (Coarse Cracked). 1/4 to 1/2 size. This is particularly used for fruit trees, grape vines, etc.; apply at the rate of from 3 to 5 lbs., at the base of each vine or tree, and work it into the soil. Per 200 lbs., \$6.00; \$27.00 per ½ to11; per ton, \$52.00.

Bone (Coarse Ground). Apply 600 to 800 lbs. per acre. Prepared from raw bone, exactly like bone meal except that it is not so fine, or quick in action; is used for the same purposes. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.75; \$5.00 per 200 lbs.; per ton, \$45.00.

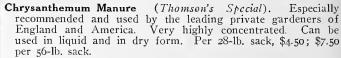
Bone Flour (Superfine Grade). Apply 600 lbs. per acre. Very fine, like dust, effective almost immediately; can be used for indoor or outdoor purposes. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs.,

\$1.00; \$1.50per50lbs.; 10olbs., \$2.50; \$4.75per20olbs.; ton, \$42.50.

Bone Meal (Fine Ground). Apply 600 to
800 lbs. per acre. Made from raw bone, without any addition of materials. Extensively used for lawns, greenhouse and in any case where a moderately slow stimulant fertilizer is wanted. 3 lbs., 20c.; 30c. for 5 lbs.; 10 lbs., 50c.; 90c. per 25 lbs.; 50 lbs., \$1.35; \$2.35 per 100 lbs.; 200 lbs., \$4.50; \$38.50 per ton.

Bone Meal (Michell's Special Grade). We have been fortunate in locating a source from which we could get an unusually high grade of Bone Meal. By contracting for the

entire output, the manufacturer agreed to let us have it. It is unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high-class fertilizer counts. Always specify Michell's Special Grade when ordering. 100 lbs., \$2.90; \$5.50 per 200 lbs.; ½ ton, \$25.00; ton, \$48.00.



Clay's Fertilizer. An English chemical fertilizer, for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. 15c. per lb.; 5 lbs., 60c.; \$1.10 per 10 lbs.; 28 lbs., \$2.00; \$3.75 per 56 lbs.; 112 lbs., \$7.00.

An unique combination of carefully dried Climax Lawn Sand. and finely ground chemicals. Destroys weeds in lawns, 31/2-lb. can, 45c.; 7-lb. can, 85c.; 14-lb. can, \$1.35; 28-lb. pkg., \$2.25; 56-lb. pkg., \$3.75; 112 lbs., \$6.50; 560 lbs., \$30.00; 1120 lbs., \$55.00.

opperas (Sulphate of Iron). The low cost of this makes it very valuable for field as well as lawn use, it being one of the best articles for the destruction of Canada thistle and other weeds difficult to eradicate. Especially valuable for eradicating dandelion, sorrel, etc. It dilutes 100 lbs. to 52 gallons of water, enough to treat an acre, and is applied with a sprayer. While it destroys weeds it stimulates the grass. 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.25; 200 lbs., \$6.00.

Apply 600 lbs. per acre. Exceedingly rich Cotton Seed Meal. in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable. 5 lbs., 25c.; 4oc. per 10 lbs.; 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$3.00; \$26.50 per 1000 lbs.; ton, \$47.50.



Cow or Cattle Manure (Shredded).
One sack of this is equal to one cartload of cow manure, is convenient to handle, making it possible for everyone to get this usually scarce article at all times. 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; \$1.25 per 50 lbs.; \$2.25 per 100 lbs.; 500 lbs., \$10.00; \$16.50 per 1000 lbs.; ton, \$32.00.

Cow Manure (Pulverized). A fine top dressing for lawns or gardens or in greenhouses; apply 1000 lbs. per acre. In 100-lb. bags only, \$2.25; \$10.00 per 500 lbs.; ton, \$32.00.

Farmo-Germ. A nitrogen-gathering bacteria to be used when planting or sowing leguminous plants, as clover, peas, beans, etc. Garden size bottles, 25c. and 50c.; acre size bottles, \$1.50; \$5.00 per 5 acre bottle.

Dried Ground Fish. Apply 300 to 400 lbs. per acre. For truck and plant forcing this is recommended. Also used to mix with other fertilizers to increase the ammonia analysis. In 200-lb. sacks only, \$6.50; \$60.00 per ton.

Guano Peruvian Substitute. Apply 600 lbs. per acre. This has a very high analysis of all necessary plant-food elements and is now extensively used in place of Peruvian Guano, which has become extremely scarce. It is recommended for all farm and vegetable crops. In 200-lb. bags only. 200 lbs., \$5.00; \$23.50 per 1/2 ton; per ton, \$45.00.

Horn Shavings. Used principally for mixing in potting and is rich in ammonia; especially valuable in chrysanthemum growing. 10c. per 1b.; 5 lbs., 40c.; \$1.75 per 25 lbs.; 50 lbs., \$2.75; \$5.00 per 100 lbs.

Horse Manure (see Manure, page 233).

Humus (Alphano Prepared). An excellent article to incorporate with poor soil in the garden, greenhouse or in potting plants. When used in garden work, the ground should be covered with from ½ to 2 inches of Humus and spaded in. 5 lbs., 25c.; 25 lbs., 65c.; \$1.00 per 50 lbs.; 100 lbs., \$1.25; \$6.00 per 500 lbs.; 1000 lbs., \$10.00; \$16.50 per ton. Special price, f. o. b. factory and in carload lots. (See also Insert for price on Natural Humus.)



ON PARCEL POST SHIPMENTS

If remittance accompanies order, it should include mailing

MICHELLS

BONE

MEAL

HENRY F.MICHELL

PHILADELPHIA

- Lawn Dressing (Michell's Odorless). Apply 500 to 600 lbs. per acre. A quick stimulant for lawns and grass lands. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.25; \$5.50 per 200 lbs.; 1000 lbs., \$23.50; \$45.00 per ton.
- Lawn Sand (Climax). A single application is generally all that is needed. Select a bright sunny day, apply at the rate of $3\frac{1}{2}$ lbs. to 150 square feet (a space 10 x 15). It fertilizes the grass, besides destroying the weeds. $3\frac{1}{2}$ lbs., 45c.; 85c. for 7 lbs.; 14 lbs., \$1.35; \$2.25 for 28 lbs.; 56 lbs., \$3.75; \$6.50 for 112 lbs.
- Lime (Hydrated or Powdered). This is a very fine article for distributing on grass. It promotes growth, gives the grass a rich color and has a tendency to prevent the growth of weeds. Apply one ton per acre on fields or ½ ton on lawns. Per 100-lb. sack, \$1.00; 500 lbs., \$4.50; 1000 lbs., \$7.00; ton, \$12.50. Special price in carload lots and f. o. b. factory.
- **Lime** (Lump or Land). This is the screenings or forkings from the lime kilns and is extremely valuable for field use. In car lots only; price on application. Apply 2500 to 3500 lbs. per acre.
- Limestone (Pulverized). For applying on sour or wornout soils at the rate of 1 ton per acre. Put up in 100-lb. bags (no smaller quantity sold), \$1.00 per bag; 1000 lbs., \$6.00; \$10.00 per ton. (Special price per ton, f. o. b. factory.)
- Manure (Fresh Horse, Stockyard and Cow). At short notice we can usually supply first-class horse, cow and stockyard manure in carload lots only. Prices quoted on request.
- MAPES' CELEBRATED FERTILIZERS.
 No less than 200-lb.

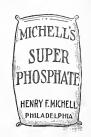
 sacks of Mapes' fertilizers are sold Potato Manure
 F. O. B. Factory 200 lbs. Ton
 F. O. B. Phila.

 Potato Manure
 \$4.75
 \$44.00
 \$5.25
 \$48.00

 Corn Manure
 4.00
 37.00
 4.50
 42.00

 General Crop (for all crops)
 3.75
 29.00
 4.25
 35.00
- Muriate of Potash. Apply 100 to 150 lbs. per acre, usually with other fertilizers. This must be used with great care, as it is very powerful. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50% actual potash. Owing to European complications we are unable to state prices; we will fill orders at lowest quotations.
- Nitrate of Soda. Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute two ozs. to 1 gal. of water and do not apply oftener than twice a week. I lb., 10c.; 40c. per 5 lbs.; 10 lbs., 75c.; \$1.75 per 25-lb. bag; 50-lb. bag, \$3.00; \$5.75 per 100 lbs.; 200 lbs., \$10.50; \$47.50 per ½ ton; ton, \$92.50.
- Mulford's Culture. For inoculating Clovers and other legumes. When ordering, please state for what crop you desire to use it. Trial size for beans and peas, 25c. Garden size (¼ acre), 50c.; I acre size, \$1.50; 5 acre size, \$5.00. See page 55.
- **Plant Food** (*Michell's*). A highly concentrated chemical fertilizer for house use. 15c. per 6-oz. pkg.; 4 pkgs. by express (not prepaid), 5oc. Allow for postage if wanted by mail.
- **Plant Food** (Bowker's). Similar to the above in character and purpose, entirely odorless. 4-oz. pkgs., 15c.; 12-oz. pkgs., 25c. Allow for postage if wanted by mail.
- Phosphate for Corn (H. G. Potash Mixture). Apply 500 to 600 lbs. per acre. This contains the necessary ingredients to produce a bumper crop of either field or sugar corn. Per 200 lbs., \$3.25; per ½ ton, \$13.00; \$25.00 per ton.
- Phosphate, High-Grade Acid Tennessee or South Carolina Rock. 14%. Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200-lb. sacks only, \$2.50; \$19.00 per ton.
- Phosphate, Michell's High-Grade Ammoniated. For all vegetable crops, grains, grass, etc. Apply 500 to 600 lbs. per acre broadcast. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; \$1.10 per 50 lbs.; 100 lbs., \$2.00; \$3.50 per 200 lbs.; ton, \$28.50.

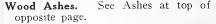
- Phosphate (*Thomas' Basic Slag*). Used extensively for top dressing lawn, grass and grain lands; contains the proper elements to produce a rich luxuriant growth; apply 600 to 800 lbs. per acre. Price on application.
- Potato Phosphate (Michell's Hi-Grade). Apply 400 to 600 lbs. per acre. The best fertilizer for potatoes, being extremely rich in every ingredient that potatoes thrive on. 25 lbs., 85c.; \$1.25 per 50 lbs.; 100 lbs., \$2.25; \$4.25 per 200 lbs.; ½ ton, \$20.00; ton, \$37.50.



- Potato Manure Apply at the rate of from 400 to 600 lbs. per acre. 25 lbs., 75c.; \$1.10 per 50 lbs.; per 100 lbs., \$2.00; \$3.50 per 200 lbs.; per ton, \$32.00.
- Poudrette (Native Guano). Apply 1000 lbs. per acre. Extensively used for garden, lawns, in making compost and in fact wherever a good, quick acting fertilizer is wanted. It is odorless and easily handled. Poudrette is absolutely harmless to human beings. Applied as a fertilizer to any garden crop. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; \$1.10 per 50 lbs.; 100 lbs., \$1.75; \$3.00 per 200 lbs.; 600 lbs., \$7.00; \$11.00 per 1000 lbs.; per ton, \$20.00.
- Salt. For agricultural purposes, asparagus beds and putting on walks and roads to kill weeds. Apply 600 to 800 lbs., per acre in early spring. Io lbs., 20c.; 30c. for 25 lbs.; 50 lbs., 55c.; \$1.00 per 100 lbs.; 200 lbs., \$1.75; \$12.00 per ton.
- Sheep Manure (Wizard Brand). Apply 1000 lbs. per acre. For garden, lawn or greenhouse use, nothing surpasses sheep manure; it is clean and easily handled, besides giving immediate results. 2 lbs., 15c.; 25c. per 5 lbs.; 10 lbs., 40c.; 75c. per 25 lbs.; 50 lbs., \$1.25; \$2.25 per 100 lbs.; 500 lbs., \$10.00; \$16.50 per 1000 lbs.; per ton, \$32.00.



- Soot (Imported Scotch). This is used principally for bringing a good healthy color into the foliage of chrysanthemum and other greenhouse plants. Also destroys insects and grubs that work on and underneath the surface. Ioc. lb.; 5 lbs., 35c.; \$1.00 per 25 lbs.; 112 lbs., \$3.75.
- Sulphate of Ammonia. Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. This material will stimulate growth almost immediately. Analysis, equal to 25% of ammonia. 5 lbs., 35c.; 6oc. for 10 lbs.; 25 lbs., \$1.40; \$5.00 for 100 lbs.; 200 lbs., \$9.75.
- Sulphate of Potash. Apply 100 to 125 lbs. per acre, usually with other fertilizers. On account of its own strength it must be used judiciously. Valuable for root and grain crops. Analysis, equal to 50% of actual potash. Owing to European complications, we are unable to state prices; will fill orders at lowest quotations.
- Tankage. This is usually applied to plants such as roses, etc., under glass. It is similar to dried blood. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.00 per 200 lbs.; ton, \$36.00.
- Thomson's Special Flower, Vegetable and Vine Manure. Imported from England, this excellent chemical fertilizer is extensively used wherever it is desired to force flowers or vegetables. 15c. lb.; 5 lbs., 60c.; \$1.10 per 10 lbs.; 28 lbs., \$2.00; \$3.50 per 56 lbs.; 112 lbs., \$7.00.
- Tobacco Stems. For fumigating, mulching and fertilizing these are invaluable. The chief fertilizing element in them is the potash. They make an excellent top dressing for lawns in winter. Lb., 5c.; 2oc. per 5 lbs.; in bales, per 100 lbs., \$2.00; per ½-ton, \$13.50; per ton, \$25.00.



Wheat Fertilizer. Recommended especially for all grass and grain crops. Apply 500 to 600 lbs. per acre. 200 lbs., \$3.25; ½ ton, \$14.50; \$28.00 per ton.



POULTRY AND ANIMAL FOODS AND TONICS

ALL PRICES SUBJECT TO MARKET CHANGES

Alfalfa Meal. 5 lbs., 25c.; 4oc. per 10 lbs.; 25 lbs., 75c.; \$1.35 per 50 lbs.; 100 lbs., \$2.50.

Animal Regulator (Pratt's). 25c. and 5oc. pkg.; 12 lbs., \$1.75. Barley. Price, Ioc. per quart. (Larger quantity, price on application.)

Bone (Coarse Ground). For feeding grown fowls. 5 lbs., 35c.; 6oc. for 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs.,

\$3.00; \$13.75 for 500 lbs.

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MICHELLS

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POULTRY J

MARKETST

Bone (Meal and Fine Grade). For feeding chicks and pullets and using in the mash. 5 lbs., 35c.; 6oc. per 10 lbs.; 25 lbs., \$1.00; • 50 lbs., \$1.75; 100 lbs., \$3.00.

Bran (Wheat). For mash, etc. 5 lbs., 20c.; 55c. per 25 lbs.; 100 lbs., \$2.00.

Broken Rice. 1 lb., 6c.; 30c. for 5 lbs.; 10 lbs., 55c.; \$1.25 for 25 lbs. (Price in large quantities on application.)

Buckwheat. Price, 10c. per quart. (Larger quantity, price on application.)

100165

MICHELLS

FUOD FOR

Chicks Henry F Michell G

MARKETS

PEVELOPING

Lyowing

Cake Meal. 5 lbs., 25c.; 85c. per 25 lbs.; 100 lbs., \$3.15. Calf Meal (Blatchford's). \$2.00 per 50 lbs.; 100 lbs., \$4.00.

Canada Peas. Price, 10c. per quart. (Prices on large quantities on application.)

Cat Food (Spratt's). Per carton, 25c.

Catnip Balls. 10c. each; doz., \$1.10.

Charcoal. Two grades, fine and coarse; state which you wish when ordering. Price, I lb., 7c.; 3oc. for 5 lbs.; 10 lbs., 45c.; 75c. for 25 lbs.; per 100 lbs., \$2.50; \$10.00 for 500 lbs.

Chicgrain (Spratt's). Per carton, 25c.; 5 lbs., 4oc.; 7oc. per 10 lbs.; 25 lbs., \$1.25; 50 lbs., \$2.10; 100 lbs., \$4.00.

Chick Food (Cornless). 5 lbs., 30c.; 50c. for 10 lbs.; 25 lbs., \$1.00; \$3.25 per 100 lbs.

Chick Food (Michell's). 5 lbs., 25c.; 5oc. for 10 lbs.; 25 lbs., \$1.00; \$3.25 per 100 lbs.

Chick Food (Park and Pollard). 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 1bs.; 100 lbs., \$3.25.

Chick Food (Pratt's). For newly hatched chicks. I lb., 10c.; 3 lbs., 25c.; 6½ lbs., 50c.; \$1.00 per 14 lbs.

Chick Manna. Price, 1 lb., 10c.; 25c. for 3 lbs.; 5 lbs., 40c.; 15 lbs., \$1.10; 60-lb. case, in bulk, \$4.20.

Chick Meal (*Spratt's No. 5*). 25c. per carton; 45c. per 5 lbs.; 10 lbs., 80c.; \$1.85 per 25 lbs.; 50 lbs., \$3.50; \$6.75 100 lbs.

Climax Condition Powder (Rust's). Price, 25c., 50c., \$1.00 and \$1.50 per package.

Condition Powder (Sheridan's). A natural stimulant and persuader for the hen. 15c. package; 21/4-lb. can, 75c.

Condition Tablets (Pratt's). 25c. and 5oc. per box.

Conkey's Laying Tonic. 25c. pkg.

SOILS MICHELLS

CUT CLOVER

MARKET STE

Phila.

FOR =

Conkey's Starting Food for Baby Chicks. I lb., Ioc.; 3 lbs., 25c.; 5oc. for 6½ lbs.; 14 lbs., \$1.00; 100 lbs., \$5.50.

Corn Meal (Special Process). 5 lbs., 20c.; 35c. for 10 lbs.; 70c. for 25 lbs.; 50 lbs., \$1.25; 100 lbs., \$2.50.

Cow Kure. A tonic for cows and heifers. 5oc. per can.

Cracked Corn. I lb., 4c.; 5 lbs., 20c.; 35c. for 10 lbs.; 50 lbs., \$1.20; \$2.35 per 100 lbs. Crissell (Spratt's). 5 lbs., 35c.; 6oc. per 10 lbs.; 25 lbs., \$1.25; \$4.75 per 100 lbs.

Cut Clover Hay. 5 lbs., 25c.; 10 lbs., 40c.; 25 lbs., 75c.; \$1.35 for 50 lbs.; 100 lbs., \$2.50; 500 lbs., \$12.00.

Developing Food (Michell's). 5 lbs., 25c.; 45c. for 10 lbs.; 25 lbs., \$1.00; \$1.60 per 50 lbs.; 100 lbs.; \$3.00.

Dog Cakes (Spratt's). Small pkg., 25c.; large pkg., 50c.; 25-lb. box, \$2.00; 50-lb. box, \$3.75; 100-lb. box, \$7.00.

Dog Cakes (Maltoid Milkbone). 10c. and 25c. per carton; 10 lbs., \$1.00; \$2.25 for 25 lbs.; 50 lbs., \$4.10; \$7.50 per 100 lbs.

Fish, Dried Ground. 5 lbs., 25c.; 45c. for 10 lbs.; 25 lbs., \$1.00; \$1.75 for 50 lbs.; 100 lbs., \$3.25.

Egg Producer (Rust's). 1 lb., 25c.; 5oc. for 2½ lbs.; 6 lbs., \$1.00.

Gluten Meal. 5 lbs., 20c.; 30c. for 10 lbs.; 60c. for 25 lbs.; 50 lbs., \$1.10; 100 lbs., \$2.10.

Grit (*Mica Crystal*). Fine, medium and coarse. 5 lbs., 15c.; 4oc. for 25 lbs.; 50 lbs., 6oc.; 100 lbs., 85c.; \$3.50 per 500 lbs.; ½ ton, \$6.50; \$12.00 per ton. (Special price f. o. b. factory.)

Grit (Red Cross Health). For pigeons. 5 lbs., 20c.; 35c. for 10 lbs.; 25 lbs., 50c.; 90c. for 50 lbs.; 100 lbs., \$1.50; ton, \$22.50.

Ground Oats. 5 lbs., 25c.; 40c. for 10 lbs.; 75c. for 25 lbs.; 100 lbs., \$2.75

Growing Food (Park and Pollard). 5 lbs., 25c.; 5oc. per 10 lbs.; 25 lbs., \$1.00; 100 lbs., \$3.25.

Hemp Seed. 10c. lb.; 40c. for 5 lbs.; 70c. for 10 lbs.; 25 lbs., \$1.65.

Hulled Oats. 6c. per lb.; 3oc. per 5 lbs. (Prices on larger lots on application.)

Kaffir Corn. 10c. qt. (Price on larger quantities on application.)

Linseed Meal. 12c. per lb.; 50c. per 5 lbs.; 10 lbs., 75c.; \$1.80 for 25 lbs.

Mash Food (Michell's Meat). 5 lbs., 25c.; 10 lbs., 45c.; 25 lbs., 90c.; \$1.35 per 50 lbs.; 100 lbs., \$2.85.

Mash Food (Park and Pollard). 5 lbs., 25c.; 45c. for 10 lbs.; 25 lbs., \$1.00; 100 lbs., \$3.25.

Mash Food (Michell's Fish). 5 lbs., 25c.; 45c. for 10 lbs.; 25 lbs., 90c.; \$1.35 for 50 lbs.; 100 lbs., \$2.60.

Meat (Prepared). Price, 5 lbs., 25c.; 10 lbs., 40c.; 25 lbs., 90c.; 50 lbs., \$1.75; 100 lbs., \$3.25; 500 lbs., \$15.75; ½ ton, \$30.00; \$55.00 per ton.

Middlings. 5 lbs., 20c.; 10 lbs., 30c.; 25 lbs., 60c.; 100 lbs., \$2.35. Millet (For Feeding). 8c. lb.; 5 lbs., 3oc.; 10 lbs., 5oc.; 25 lbs., \$1.25.

Mustard (Poultry). 1½ lbs., 35c.; 65c. for 3 lbs.; 5 lbs., \$1.00; \$1.95 for 10 lbs.

Oat Meal (Pin Head). 5 lbs., 35c.; 65c. for 10 lbs.; 25 lbs., \$1.50; \$5.00 per 100 lbs.

Oyster Shells. 5 lbs., 10c.; 30c. for 25 lbs.; 50 lbs., 50c.; 75c. per 100 lbs.; 500 lbs., \$3.25; \$12.00 per ton.

Pheasant Meal (Spratt's). No. 12 Fine; No. 5 Coarse. State which is wanted when ordering. 5 lbs., 45c.; 8oc. per 10 lbs.; 25 lbs., \$1.85; 50 lbs., \$3.50; 100 lbs., \$6.75.

lbs.; \$6.75 per 100 lbs.

Poultry or Scratch Food (Michell's). 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs. \$1.00; \$3.00 per 50 lbs.; 100 lbs., \$2.50.

Poultry or Scratch Food (Park and Pollard). 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; 100 lbs., \$3.25.

MARKET SI Pratt's Poultry Regulator. Price, 8-oz. packages, 10c; 26-0z. packages, 25c.; 50c. per 4-lb. package; 12 lbs., \$1.25; \$2.50 for 25 lbs.; 50 lbs., \$5.00; \$9.00 per 100 lbs.

Prepared Pigeon Food. 5 lbs., 25c.; 5oc. per 10 lbs.; 25 lbs., \$1.00; 100 lbs., \$3.50.

Puppy Cakes (Spratt's). Small pkg., 25c.; large pkg., 50c.; 25-lb. box, \$2.00; 50-lb. box, \$3.65; 100-lb. box, \$7.00.

Puppy Cakes (Maltoid Milkbone). 10c. and 25c. per carton; 10 lbs., \$1.00; \$2.50 per 25 lbs.; 50 lbs., \$4.25; \$8.00 per 100 lbs.

Panacea (Dr. Hess). $1\frac{1}{2}$ lbs., 25c.; 6oc. for 5 lbs.; 12 lbs., \$1.25; \$2.50 for 25 lbs.

Salt Cat. A tonic for pigeons. Price, 10c. per brick; 60c. for 6; \$1.10 per doz.

Sunflower Seed. 10c. qt.; 4 qts., 40c.; 65c. peck; bushel, \$2.50. Vetches or Tares. For pigeon feeding. Ask for quotations. Prices vary.



MICHELL

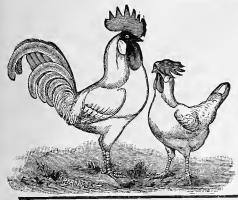
FOOD FOR

AYING HENS

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MICHELL'S HIGH GRADE POULTRY SUPPLIES, Etc. 235

LICE DESTROYERS, DISINFECTANTS, Etc.



A complete description of the following goods will be found in our Poultry Supplies Catalog—Mailed free

Carboletta. A carbolic solution for painting roosts, spraying, etc. 40c. qt.;

½ gal., 65c.; \$1.00 per gal. Carbolineum (Genuine Arvenarius). A poultry house disinfectant, louse and mite destroyer, excellent wood pre-servative; in gal. cans only. \$1.50 per

gal.; 5 gals., \$7.00. Cassel's Roup Cure. To be used in the mash or other soft feed. ½ lb., 20c.; 40c. per lb. (Allow for postage if wanted by mail.)

Condition Tablets (Pratt's). 25c. and 5oc. pkg.

Conkey's Canker Special. An effective remedy. 50c.
Conkey's Cholera Cure. 25c. and 50c.

Conkey's Chicken Pox Remedy. 25c. and 50c. pkg.

Conkey's Gape Cure. For young chicks. 50c. pkg.

Conkey's Lice Fix. For destroying mites,

lice, etc. 50c. Conkey's Lice Killer (Liquid). For painting roosts, poultry houses, etc. Qt., 35c.; 6oc. ½ gal.; I gal., \$1.00.

Conkey's Lice Powder. A sure destroyer. Ioc., 25c., 5oc. and \$1.00 pkg. Conkey's Noxi-cide. A germ destroyer. 35c. pt.; I qt., 6oc.; \$1.00 for 2 qts.; I gal., \$1.50.

Conkey's Roup Cure. The most widely used of the roup remedies; administered in the drinking water. 25c., 50c. and \$1.00 per box.

Conkey's Scaly Leg Remedy. A sure cure 25c.

little chicks; results always satisfactory. 25c. and 5oc. pkg.

Death to Lice (Lambert's). For dusting fowls and nests. 5-oz. size, 10c.; 25c. for 15 ozs.; 48 ozs., 50c.; \$1.00 per 100-

oz. pkg.

Dr. Hess' Instant Louse Powder. Used with great success on poultry or do-mestic animals. Also useful in the garden and on vegetables. I lb., 25c.

Death to Lice Ointment. For head lice on small chicks. Ioc. and 25c. box.

Gape Worm Extractors. Two styles: Hallowell, Ioc. each; \$1.00 per doz. Pilling, 25c. each.

Germathol (Pratt's). A germicide and disinfectant. 25c., 50c. and \$1.50 per

Germozone (Lee's). One of the best germicides in existence, can be used on animals as well as poultry in liquid or tablet form. 50c.

Knox Lice Expelling Nest Eggs. 6c. each; doz., 6oc.; \$4.00 per 100.

Lee's Lice or Insect Powder. Dust it in the nests, around the roosts and on the dropping boards. 1/4-lb. sifter-top boxes, 25c.; \$2.75 per doz.

Lee's Liquid Lice Killer. Sprayed or painted around poultry house will keep away all vermin and disease. I qt., 35c.; 60c. for 2 qts.; gal., \$1.00; \$4.00 for 5 gals.

Madoc Gape Cure. 1/2 lb., 20c.; 1 lb., 35c. (Allow for postage if wanted by mail.)

Michell's Lice Powder. The best preparation of its kind ever put up. Sifter top carton. I lb., 25c. each; \$2.50 per doz. pkgs.

Oculum. For cholera, roup and diarrhoea. 50c. and \$1.00 per bottle.

Persian Insect Powder. 1/4 lb., 20c.; 35c. ½ 1b.; 1b., 6oc.

Pratt's Disinfectant. For spraying poultry houses, stables, etc. 35c. qt.; 1/2 gal., 6oc.; \$1.00 per gal.

Pratt's Lice Killer (Liquid). For spraying nests, roosts, houses, etc. 35c. qt.; ½ gal., 6oc.; \$1.00 gal.

Pratt's Louse Powder. For dusting nests, fowls, chicks, etc. 25c. and 5oc.

Pratt's Roup Remedy (Pills). For roup, canker, etc. 25c., 5oc. and \$1.00 per box.

Conkey's White Diarrhoea Cure. For Pratt's Sore Head Remedy. For chicken pox, etc. 25c. and 5oc. box.

Pratt's White Diarrhoea Remedy. For baby chicks. 25c. and 5oc.

Rat Corn. Kills and mummifics rats and mice. 15c., 25c., 5oc. and \$1.00 size cans.

Rax. The scientific destroyer of rats and mice. Positively is not injurious to domestic animals. 50c. per bottle.

Roup Syringe. For administering liquid roup remedies in the nostrils or throat. Price, 10c. cach.

Rust's Havens Climax Powder. For cholera, gapes, etc. 25c., 5oc. and \$1.00 per box.

Rust's Roup Cure. Used in the drinking water. 4 ozs., 25c.; 9 ozs., 5oc.; 20 ozs., \$1.00.

Spratt's Dog Soap. 20c. per cake; postpaid, 25c. per cake.

Sulphur Candles. Large size. 20c. each; per doz., \$2.00. Small size, 10c. each; per doz., \$1.00.

Thymo Cresol (Sheep Dip). An excellent disinfectant, deodorizer and purifier. 4 ozs., 25c.; 40c. for 8 ozs.; 1 pt., 50c.; 70c. per qt.; per ½ gal., \$1.10; \$2.00 per gal.

Tobacco Dust. For dusting on roosts, nests, etc., to keep away vermin. 10c. per lb.; 5 lbs. for 25c.; \$1.00 for 25 lbs.; 100 lbs., \$3.50.

Tobacco Stems. For making nests, etc. 5c. lb.; 5 lbs., 20c.; 50c. per bu.; per bbl. bag, \$1.00; \$2.00 per 100 lbs.; per ½ ton, \$13.50; \$25.00 per ton.

Whiting's Roupene. An infallible preventative and sure cure for all cases of Roup, Canker, Diphtheria, Chicken Pox or Sore Head, Gapes, Colds and all diseases of respiratory organs of fowls or pigeons. Will cure dogs of the sniffles. Price, 50c. and \$1.00 per bottle.

Whiting's White Diarrhoea Remedy. 50c. and \$1.00 per bottle.

Zenoleum Lice Powder. For dusting hens and nests; fine for brooding hens. 25c. per 16-oz. pkg.

Zenoleum Liquid. Dilute one part Zenoleum to one hundred parts water. It is non-poisonous and is not irritating or inflammable. Should be used freely around barns and poultry houses. ½ pt., 25c.; 50c. qt.; ½ gal., 90c.; \$1.50 per gal.; \$6.25 per 5-gal. can.

RECLEANED BIRD SEEDS, Etc.

Prices on Bird Seeds Subject to Market Changes

Lb. Ants Eggs\$0.50 Canary. Plain Sicily.....\$0.12 \$0.50 \$0.90 \$2.15 .45 .85 2.10 .50 .85 2.00 Millet Seed (Imported)... .08 .30 .50 1.20 Rape Seed (German)........10 .80 .45 1.75 .80 .45 Parrot Food (Spratt's). 15c. pkg.; \$1.65 doz. Bird Manna. Keeps Canary Birds in prime condition. Pkg. 15c.

Cuttle Fish Bone. 3c. each; 5oc. per 1b.

5 Lb. 10 Lb. 25 Lb. | Lettuce Seed. 5c. per oz; 10c. per 1/4 lb.; lb.; 20c. Maw Seed. 1/4 lb., 15c.;55c. lb.; 5 lbs., \$2.50

Song Restorer for Canaries, revives the desire to be lively and sing more lustily. Price, 10c. per bottle; per doz.; \$1.00.

Sand for Bird Cages. Fine, Red or Silver, 5c. pkg.; doz. pkgs. 55c. Silver (coarse) 5c. pkg.; doz. pkgs. 55c.

SUNFLOWER SEED

We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article, 12c. per qt.; 5 lbs., 55c.; 10 lbs., \$1.00; per bushel (25 lbs.), \$2.40.



INCUBATORS, BROODERS, ETC.

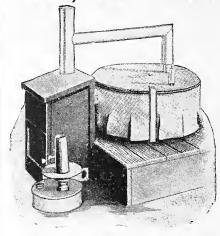


PRAIRIE STATE INCUBATOR

The series A Incubator is the Sand Tray Type with Nursery Attachment and possessing every feature of merit that any other make offers, including the Fire Underwriters certificate label on the heater, which makes it possible to use the incubator in any building without increasing the rate of insurance.

Hen Egg Duck Egg Capacity Capacity o Diffusive Style.... 100 75 Series A, No. 1.... 150 Series A, No. 2.... 240 115 200 Series A, No. 3..... 390 300 • Keystone Style ... 60 40 100

these, being direct representatives of Heat Regulator for Hovers, \$1.00 each



THE UNIVERSAL HOVER

The name implies correctly what the Price Hover is. It can be attached to any old \$21.50 box, piano case or a brooder you may be 25.00 using at the present time. Just the thing 35.00 for one who wants the least expensive but 40.00 at the same time most efficient brooding 12.00 device. For equipping large or commercial 15.00 poultry plants these are invaluable.

NEWTOWN GIANT INCUBATORS
AND BROODERS
We are able to quote lowest prices on without regulator, \$7.00. Without lamp box, complete without regulator, \$6.00

Parcel Post Weight, 3 lbs.

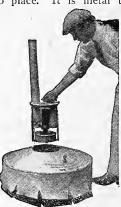
PRAIRIE STATE COLONY BROODERS

No. 1—3 feet wide, 6 feet long, 3 feet high in front, 2 feet high in back (without heat regulator)......\$22.00 No. 2-21/2 feet wide, 5 feet long, 21/2 feet high in front, 20 inches high in back (without heat regulator)..... 18.00 No. 3-27 inches wide, 4 feet high, 28 inches high in front, 19 inches high

INTERNATIONAL SANITARY HOVER

in back (without heat regulator) .. 15.00

It can be transported with ease from place to place. It is metal throughout, and is



therefore verminproof as well as fire-proof. Unlike the wooden hover, it will not absorb dirt and hold it. It cannot be burned nor broken and cannot warp and fall apart. It provides overhead heat so chicks cannot crowd. Provides nearly 200 square inches more hovering space than any other hover made. It will not only raise more chicks than

any other Brooding device, but will raise

AND DAIRY ARTICLES FOR THE STABLE

WATER PAILS

Heavy Galvanized Iron, 12 qt., 35c. White Cedar, 12 qt. capacity, 75c.
J. 1. C. Extra heavy; white cedar, 16 qts.

PERFECT MILKING PAIL



combined, made of heavy tinned ware with a removable cover and strainer, the latter preventing anything from getting into the milk. Price, \$4.50



or the cow. No. 1, for calf under one year, 40c. P. P. Wt., 4 ozs.

No 2, for calf over one year, 55c. P. P. Wt.,



RICHMOND BUTTER **CHURNS**

white cedar, carefully finished, easily cleaned.

1-3 gals \$2.25 2-4 2.75 3-7 "

BUTTER PAPER

In packages of 1000 sheets only. 6x8 inches \$1.00 | 7x9 inches \$1.30 6x9 inches 1.10 | 8x11 inches ... 1.75 P. P. Weight, per 1000 sheets, 5 lbs.



BULL RINGS

No. 3, for cows, 8oc. P. P. Wt., 10 ozs. No. 3 for cows, 8oc. P. P. Wt., 10 ozs. Shown. Price, 35c. P. P. Weight, 4 ozs.

BUTTER COLORING

Harmless and guaranteed under the Pure CHURNS Food and Drugs Act; 25c., 50c. and \$1 00 First quality per bottle; per gal., \$2 25. Not mailable.



SALT BRICKS

For Dairy Cows, Horses and other ani-This is an essential to general good health in stables among horses and cattle, fastened on the wall. it is accessible at all times and remains clean Per brick, 25c.; \$2.50 per doz. P. P. Weight, each, 5 lbs.

Salt Brick Holders. 35c. each; \$3.50 doz. Parcel Post Weight, each, 3 lbs.

SPECIAL NOTE.

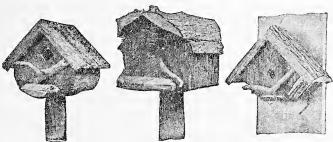
We publish a Catalog on Poultry Supplies which is free on application; also ask for a Prairie State Catalog on Incubators and Brooders.

Michell's Rustic and Ornamental Bird Houses, Etc.

N the past few years there has been revived a great interest everywhere in birds. There are many desirable species that would settle near our homes if we provided them with some suitable place for breeding. A few attractive Bird Boxes, placed where they can be easily found, either in trees or on posts, will induce our feathered friends to seek a lodging, help beautify the garden, and make an otherwise dull spot bright. The prices at which these houses are sold are so low that you can afford a number of them. To avoid errors, please order by number.

MICHELL'S WREN HOUSES

Place your Wren Houses near your dwellings; the wren is hardly ever known to nest off in the woods. If not disturbed, they will get very tame. These Wren Houses are made with I-inch holes so that sparrows cannot disturb the occupants.

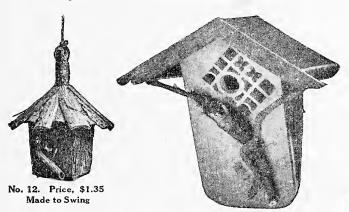


No. 11. Price, \$1.35 P. P. Weight, 3 lbs.

No. 13. Price, \$1.35 P. P. Weight, 3 lbs.

No. 9. Price, \$1.35 P. P. Weight, 3 lbs.

1 each of the above three houses \$3.75



No. 28. The Wren "House Beautiful." Price, \$2.25 P. P. Weight, 4 lbs.



No. 50. Price, \$1.15 Hanging Wren House P. P. Weight, 3 lbs.



No. 62. Blue Bird House P. P. Weight, 3 lbs. Price, \$1.35



No. 60. Robin House P. P. Weight, 3 lbs. Price, \$1.35

MARYLAND WREN BOX

These are very useful as well as ornamental, for putting on trees or fastening on buildings. Painted red and green, very attractive. 35c. each; 3 for \$1.00. Parcel post weight, each 1 lb.



MARTIN HOUSES



A four-roomed house, made of cedar and white birch. The size of this house is 13 x 7 x 21 inches.

Suitable for placing on stone gate-posts or high stumps. No. 77. \$6.25. Not mailable.

No. 77. Price, \$6.25

Martin Houses should always be large, for the Martin is a bird that loves company. If well housed and well used, they come in large flocks year after year.



No. 8, 14-Room Martin House. Price, \$20 Not mailable

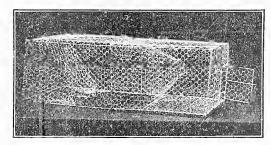
MISCELLANEOUS BIRD HOUSES



No. 22. Price, \$1.35 No. 25. Price, \$1.15 Houses for Woodpecker, Nuthatch, Chickadees, etc. P. P. Weight, 3 lbs.



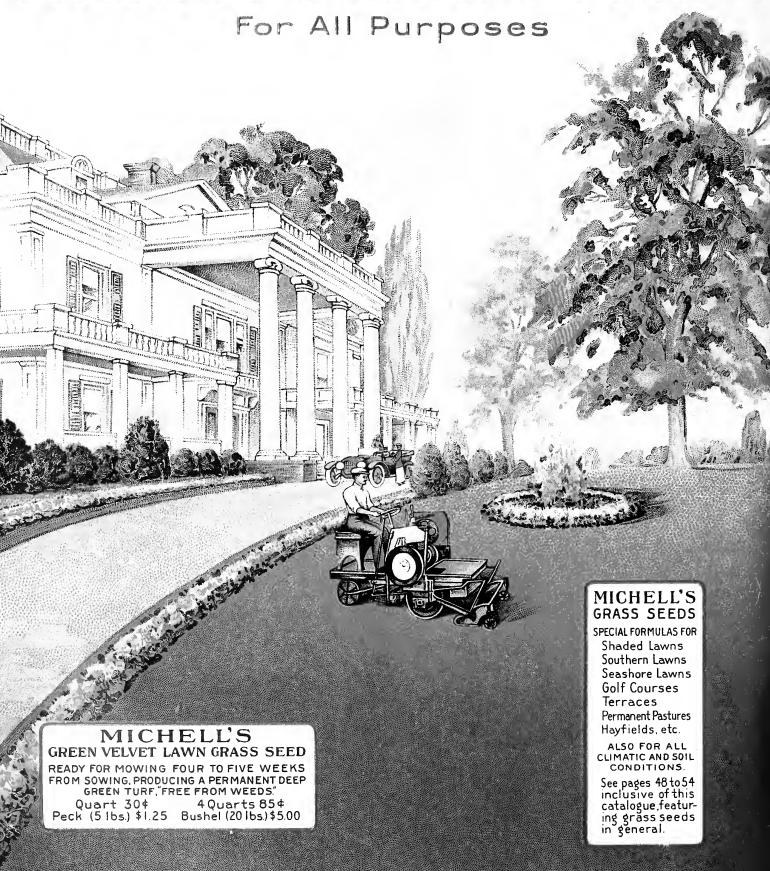
Most of the birds mentioned on this page are particularly useful in orchards and in gardens among shrubbery and flowers. Now that all the dead trees are being cut down, it leaves birds without a suitable place to nest, and on that account they are fast disappearing. It is, indeed, a very urgent necessity to provide these artificial habitations.



THE BEST SPARROW TRAP

We have tried this out and found it to be the best trap made. Scatter a little cracked corn and set trap right over it. You'll be surprised at the catch. \$5.00 each.

MICHELL'S GRASS SEEDS



HENRY F. MICHELL CO. CRASS SEED SPECIALISTS. - 518 MARKET ST. PHUA.